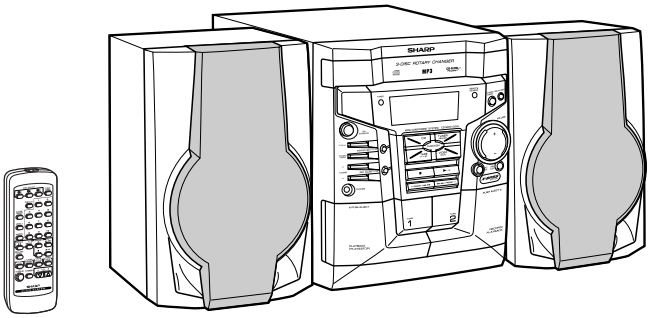
SHARP SERVICE MANUAL

No. S3528CDMPX10H



MINI COMPONENT SYSTEM

MODEL CD-MPX100E

CD-MPX100E Mini Component System consisting of CD-MPX100E (main unit) and CP-MPX100H (speaker system).

- In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

- **Note for users in U.K.**
  Recording and playback of any material may require consent which SHARP is unable to give. Please refer particularly to the provisions of Copyright Act 1956, the Dramatic and Musical Performers Protection Act 1956, the Performers Protection Acts 1963 and 1972 and to any subsequent statutory enactments and orders.

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Parts Guide

Parts marked with " ⚠ " are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

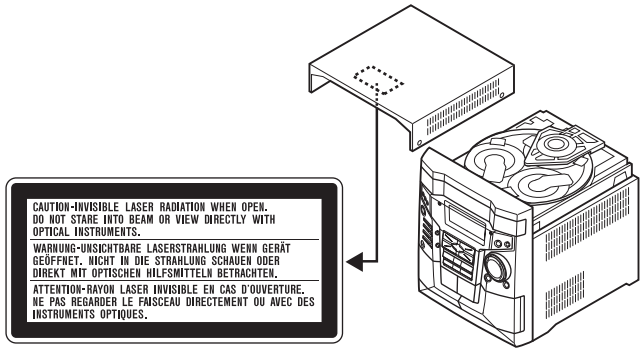
[1] Safety precaution for service manual

Precaution to be taken when replacing and servicing the Laser Pickup.

The AEL (Accessible Emission Level) of Laser Power Output for this model is specified to be lower than Class 1 Requirements. However, the following precautions must be observed during servicing to protect your eyes against exposure to the Laser beam.

(1) When the cabinet has been removed, the power is turned on without a compact disc, and the Pickup is on a position outer than the lead-in position, the Laser will light for several seconds to detect a disc. Do not look into the Pickup Lens.
(2) The Laser Power Output of the Pickup inside the unit and replacement service parts have already been adjusted prior to shipping.
(3) No adjustment to the Laser Power should be attempted when replacing or servicing the Pickup.
(4) Under no circumstances look directly into the Pickup Lens at any time.
(5) CAUTION - Use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laser Diode Properties
Material: GaAlAs
Wavelength: 780 nm
Emission Duration: continuous
Laser Output: max. 0.6 mW

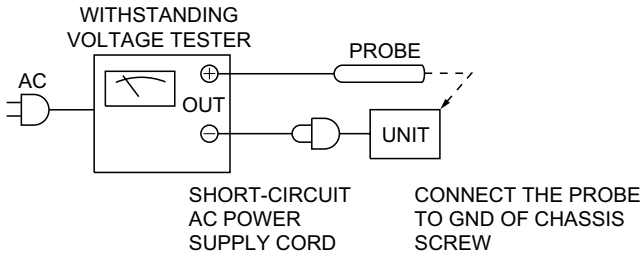

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN.
DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.
WARNUNG-UNSICHTBARE LASERSTRAHLUNG WENN GERÄT GEÖFFNET. NICHT IN DIE STRAHLUNG SCHAUEN ODER DIREKT MIT OPTISCHEN HILFSMITTELN BETRACHTEN.
ATTENTION-RAYON LASER INVISIBLE EN CAS D'OUVERTURE. NE PAS REGARDER LE FAISCEAU DIRECTEMENT OU AVEC DES INSTRUMENTS OPTIQUES.

[2] Important service notes (For U.K. only)

Before returning the unit to the customer after completion of a repair or adjustment it is necessary for the following withstand voltage test to be applied to ensure the unit is safe for the customer to use.

Setting of Withstanding Voltage Tester and set.

Set name	set value
Withstanding Voltage Tester	
Test voltage	4 kV DC
Set time	3 secs
Set current (Cutoff current)	3 mA
Unit	
Judgment	
OK: The "GOOD" lamp lights. NG: The "NG" lamp lights and the buzzer sounds.	



PRECAUTIONS FOR USING LEAD-FREE SOLDER

1. Employing lead-free solder

"All PWBs" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

Indicates lead-free solder of tin, silver and copper.

2. Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 °C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3. Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 °C which is higher than the conventional lead solder by 40 °C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corrected. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

Ref No.	Parts No.	Description
PWB-A	92LPWB6295MANS	Main/Display/Headphones
PWB-B	92LPWB6295PWRS	Power/Transformer
PWB-C	92LPWB6243CDUS	CD MP3

CHAPTER 1. GENERAL DESCRIPTION

[1] Specifications

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

CD-MPX100E

■ General

Power source	AC 230 - 240 V, 50 Hz
Power consumption	50 W
Dimensions	Width: 270 mm (10-5/8") Height: 305 mm (12") Depth: 342 mm (13-1/2")
Weight	6.1 kg (13.42 lbs.)

■ Amplifier

Output power	MPO: 78 W (39 W + 39 W) (10 % T.H.D.) RMS: 40 W (20 W + 20 W) (10 % T.H.D.) RMS: 34 W (17 W + 17 W) (0.9 % T.H.D.)
Output terminals	Speaker: 6 ohms Headphones: 16 - 50 ohms (recommended: 32 ohms)
Input terminals	Video/Auxiliary (audio signal): 500 mV/47 k ohms

■ CD player

Type	3-disc multi-play compact disc player
Signal readout	Non-contact, 3-beam semiconductor laser pickup
D/A converter	1-bit D/A converter
Frequency response	20 - 20,000 Hz
Dynamic range	90 dB (1 kHz)

■ Tuner

Frequency range	FM: 87.5 - 108.0 MHz AM: 522 - 1,620 kHz

■ Cassette deck

Frequency response	50 - 14,000 Hz (normal tape)
Signal/noise ratio	55 dB (TAPE 1, playback) 50 dB (TAPE 2, recording/playback)
Wow and flutter	0.3 % (WRMS)

CP-MPX100H

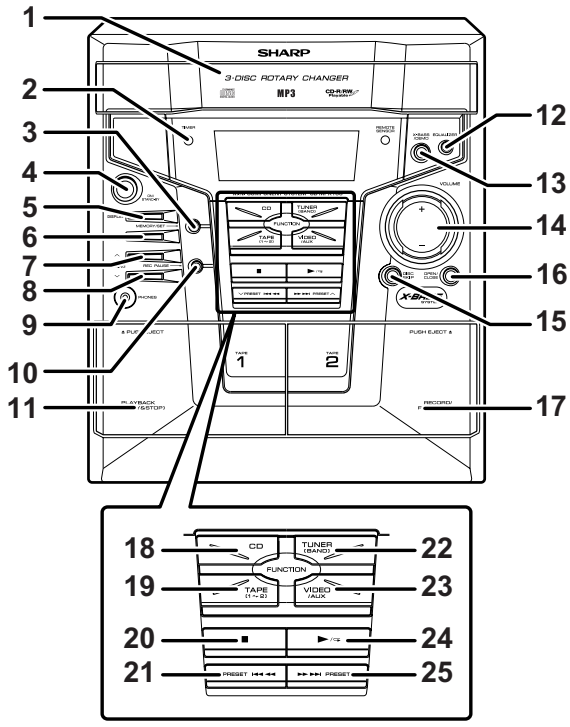
Type	2-way type speaker system 12 cm (4-3/4") Woofer with Piezo
Maximum input power	40 W
Rated input power	20 W
Impedance	6 ohms
Dimensions	Width: 200 mm (7-7/8") Height: 305 mm (12") Depth: 185 mm (7-1/4")
Weight	2.4 kg (5.3 lbs.)/each

Specifications for this model are subject to change without prior notice.

[2] Names of parts

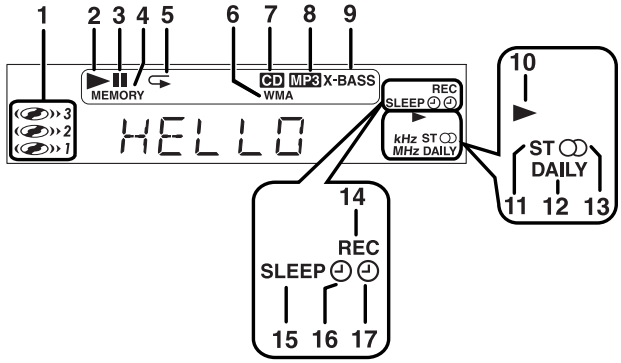
CD-MPX100E

■ Front panel



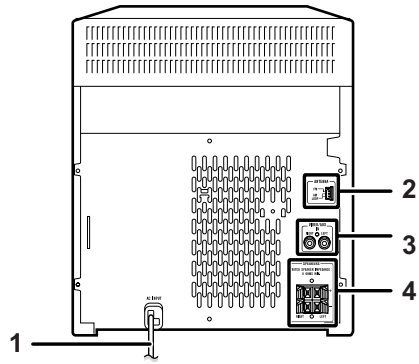
1. Disc Tray
2. Timer Set Indicator
3. Memory/Set Button
4. On/Stand-by Button
5. Display Button
6. Clock/Timer Button
7. Tuning Up Button
8. Tuning Down Button
9. Headphone Socket
10. Tape 2 Record Pause Button
11. Tape 1 Cassette Compartment
12. Equalizer Mode Select Button
13. Extra Bass/Demo Mode Button
14. Volume Up and Down Buttons
15. Disc Skip Button
16. Disc Tray Open/Close Button
17. Tape 2 Cassette Compartment
18. CD Button
19. Tape (1 ⇀ 2) Button
20. Disc or Tape Stop Button
21. Disc Track Down or Fast Reverse, Tape 2 Rewind, Tuner Preset Down, Time Down Button
22. Tuner (Band) Button
23. Video/Auxiliary Button
24. Disc Play or Repeat, Tape Play Button
25. Disc Track Up or Fast Forward, Tape 2 Fast Forward, Tuner Preset Up, Time Up Button

■ Display



1. Disc Number Indicators
2. CD Play Indicator
3. CD Pause Indicator
4. Memory Indicator
5. CD Repeat Play Indicator
6. WMA Indicator
7. CD Indicator
8. MP3 Indicator
9. Extra Bass Indicator
10. Tape Play Indicator
11. FM Stereo Mode Indicator
12. Daily Timer Indicator
13. FM Stereo Receiving Indicator
14. Tape 2 Record Indicator
15. Sleep Indicator
16. Timer Play Indicator
17. Timer Recording Indicator

■ Rear panel

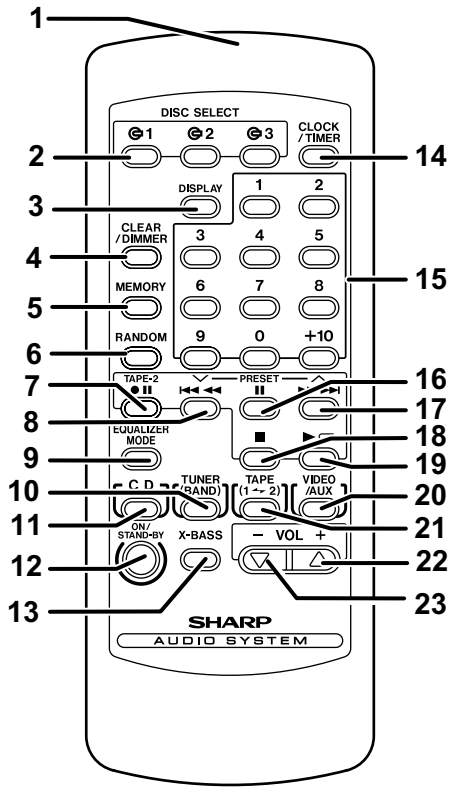


1. AC Power Lead
2. FM/AM Loop Aerial Socket
3. Video/Auxiliary (Audio Signal) Input Sockets
4. Speaker Terminals

CD-MPX100E

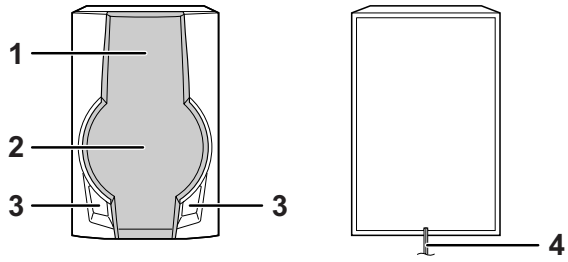
■ Remote control

1. Remote Control Transmitter
2. Disc Number Select Buttons
3. MP3/WMA Display Button
4. Disc Clear/Dimmer Button
5. Memory Button
6. Disc Random Button
7. Tape 2 Record Pause Button
8. Disc Track Down or Fast Reverse, Tape 2 Rewind, Tuner Preset Down, Time Down Button
9. Equalizer Mode Select Butto
10. Tuner (Band) Button
11. CD Button
12. On/Stand-by Button
13. Extra Bass Button
14. Clock/Timer Button
15. Disc Direct Search Buttons
16. Disc Pause Button
17. Disc Track Up or Fast Foward, Tape 2 Fast Forward, Tuner Preset Up, Time Up Button
18. Disc/Tape Stop Button
19. Disc Play or Repeat/Tape Play Button
20. Video/Auxiliary Button
21. Tape (1 ↔ 2) Button
22. Volume Up Button
23. Volume Down Button



CP-MPX100H

1. Piezo
2. Woofer
3. Bass Reflex Duct
4. Speaker Wire



CHAPTER 2. ADJUSTMENTS

[1] Mechanism section

- Driving Force Check

Torque Meter	Specified Value
Play: TW-2111	Tape 1: Over 80 g Tape 2: Over 80 g

- Torque Check

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 80 g.cm	30 to 80 g.cm
Fast forward: TW-2231	—	70 to 180 g.cm
	—	70 to 180 g.cm

- Tape Speed

	Test Tape	Adjusting Point	Specified Value	Instrument Connection
Normal speed	MTT-111	Variable Resistor in motor.	3,000 ± 30 Hz Speaker	Speaker Terminal (Load resistance: 6 ohms)

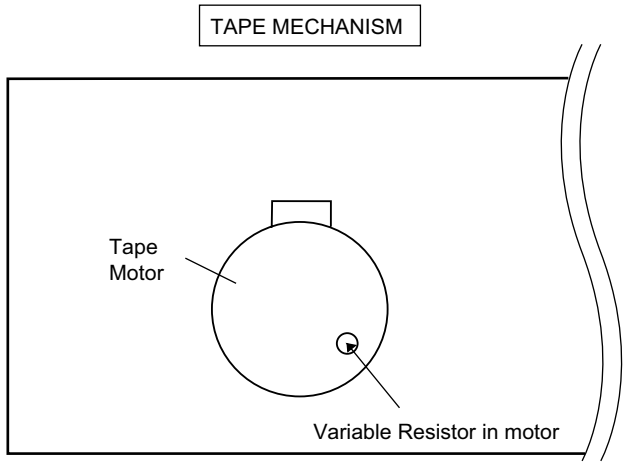


Figure 1

[2] Tuner section

fL: Low-range frequency

fH: High-range frequency

- AM IF/RF

  Signal generator: 400 Hz, 30%, AM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Parts	Instrument Connection
AM IF	450 kHz	1,620 kHz	T351	*1
AM Band Coverage	—	522 kHz	(fL): T306 1.1 ± 0.1 V	*2
AM Tracking	990 kHz	990 kHz	(fL): T303	*1

*1. Input: Antenna Output: TP302
*2. Input: Antenna Output: TP301

- FM RF

  Signal generator: 1 kHz, 40 kHz dev., FM modulated

Test Stage	Frequency	Frequency Display	Setting/ Adjusting Point	Instrument Connection
FM Band Coverage	—	87.50 MHz	T301 (fL): 1.3 V ± 0.1 V	*1
FM RF	98.00 MHz (10-30 dB)	98.00 MHz	L312	*2

*1. Input: Antenna Output: TP301
*2. Input: Antenna Output: Speaker terminal

- FM IF

  Signal generator: 10.7 MHz, FM modulated

Test Stage	Frequency	Frequency Display	Setting/Adjusting Point	Instrument Connection
IF	10.7 MHz	98 MHz	T302 (Turn the core of transformer T302 fully counter clockwise)	*1

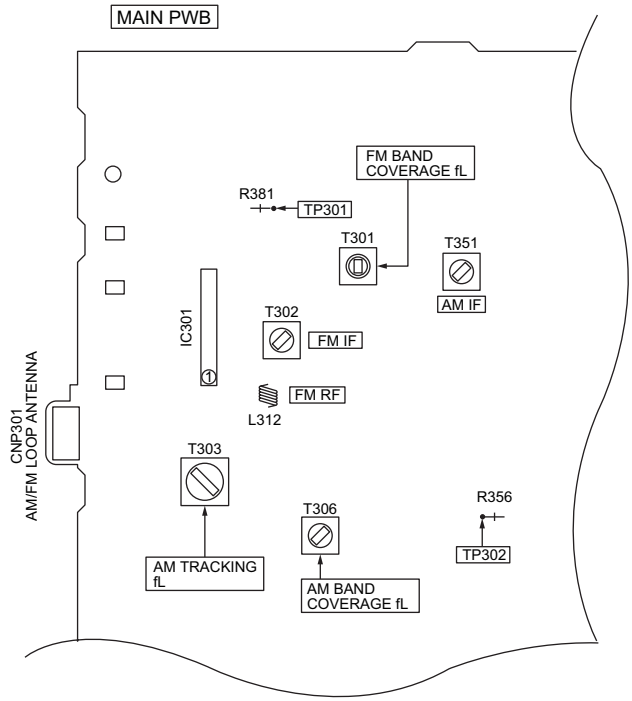


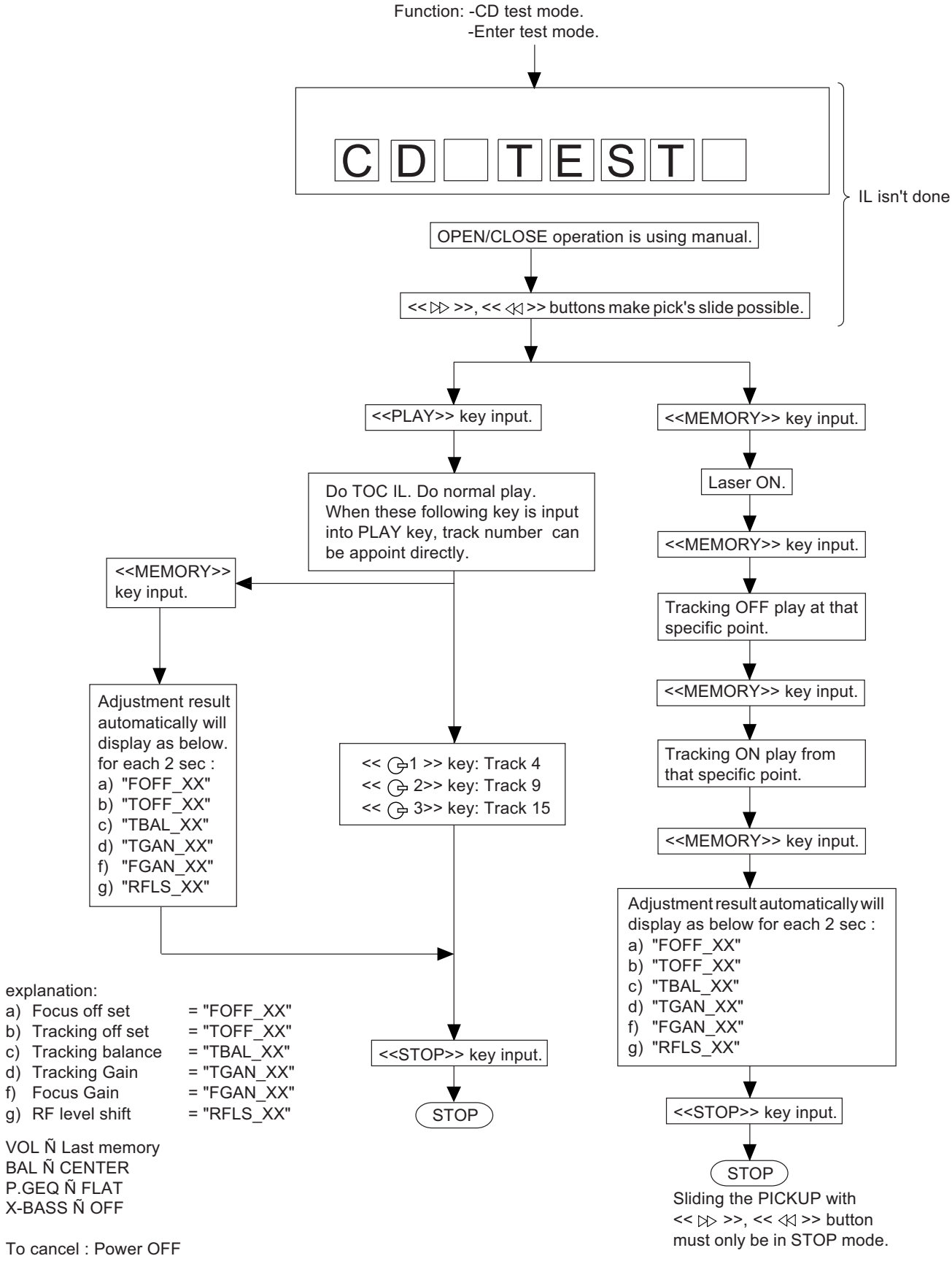
Figure 2 Adjustment Points

[3] TEST MODE

• Setting the test mode

Any one of test mode can be set by pressing several key as follows.

<X-BASS> + <CD> + <ON/STAND-BY> TEST: CD operation test.


Function: -CD test mode.
-Enter test mode.
C D T E S T
IL isn't done
OPEN/CLOSE operation is using manual.
<< ▷▷ >>, << ◁◁ >> buttons make pick's slide possible.
<<PLAY>> key input.
<<MEMORY>> key input.
Do TOC IL. Do normal play.
When these following key is input into PLAY key, track number can be appoint directly.
<<MEMORY>> key input.
Adjustment result automatically will display as below. for each 2 sec :
a) "FOFF_XX"
b) "TOFF_XX"
c) "TBAL_XX"
d) "TGAN_XX"
f) "FGAN_XX"
g) "RFLS_XX"
<< 1 >> key: Track 4
<< 2>> key: Track 9
<< 3>> key: Track 15
<<STOP>> key input.
STOP
Laser ON.
<<MEMORY>> key input.
Tracking OFF play at that specific point.
<<MEMORY>> key input.
Tracking ON play from that specific point.
<<MEMORY>> key input.
Adjustment result automatically will display as below for each 2 sec :
a) "FOFF_XX"
b) "TOFF_XX"
c) "TBAL_XX"
d) "TGAN_XX"
f) "FGAN_XX"
g) "RFLS_XX"
<<STOP>> key input.
STOP
Sliding the PICKUP with << ▷▷ >>, << ◁◁ >> button must only be in STOP mode.

explanation:

a)	Focus off set	= "FOFF_XX"
b)	Tracking off set	= "TOFF_XX"
c)	Tracking balance	= "TBAL_XX"
d)	Tracking Gain	= "TGAN_XX"
f)	Focus Gain	= "FGAN_XX"
g)	RF level shift	= "RFLS_XX"

VOL Ñ Last memory
BAL Ñ CENTER
P.GEQ Ñ FLAT
X-BASS Ñ OFF

To cancel : Power OFF

[4] CD section

- **Adjustment**

  Since this CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup. Therefore, different PWBs and pickups can be combined freely.

  Each time a disc is changed, these adjustments are performed automatically. Therefore, playback of each disc can be performed under optimum conditions.

Items adjusted automatically

1) Offset adjustment (The offset voltage between the head amplifier output and the VREF reference voltage is compensated inside the IC.)
   * Focus offset adjustment
   * Tracking offset adjustment

CD Error code description

Error	Explanation
01	When Pickup set inner position, inner switch cannot detect 'ON' level for 10 secs.
10*	When tray moves to Open/Close, Open/Close switch cannot detect 'ON' level for 7 secs. When disc table rotate to target position. Clamp switch cannot detect 'ON' level for 7 secs.
11*	When disc table set to Disc1 position for 1 st time. "CLAMP SW", "DISC NO SW" and "OPEN/CLOSE" cannot detect 'ON' level for 14 secs.
31	When it change to CD function, DSP cannot read initial data.

* 'CHECKING'

  If Error is detected, 'CHECKING' will be displayed instead of 'ER-CD**' display. 'ER-CD**' display will only be displayed when error had been detected for the 5 th times.

Standard Specification of Stereo System Error Message Display Contents

Error Contents		Display	Notes
CD	Pickup Mechanism Error.	'ER-CD**'	01: PU-IN SW Detection NG.
	CD Changer Mechanism Error.	'ER-CD**' (*)	10: Changer Error. 11: Initial Error.
	CD DSP Communication Error.	'ER-CD**'	31: DSP COMMUNICATION ERROR.
	Focus Not Match.	'NO DISC'	
TUNER	PLL Unlock.	FM 87.5 MHz	PLL Unlock.

(*) CHECKING:

If CD changer mechanism error is detected, 'CHECKING' will be display instead of 'ER-CD**' display.

'ER-CD**' will only be display when CD changer mechanism error had been detected for the 5 th times.

Speaker abnormal detection and +B PROTECTION display

In case speaker abnormal detection or +B PROTECTION had occurred, it can be check by pressing 'POWER' and 'X-BASS' button twice.

Display will show “S** B**”. S is referring to speaker abnormal detection and B is referring to +B PROTECTION. ** is in hex valve.

+B PROTECTION is condition when irregular process occur on power supply line.

BEFORE TRANSPORYING THE UNIT

The following process need to be taken after set tapering/parts replacement.

1. Press the ON/STAND-BY button to enter stand-by mode.
2. While pressing down the ▶ button and the X-BASS/DEMO button, press the ON/STAND-BY button until “CLEAR AL” appears.
3. While pressing down the ⏮/◀◀ button and the X-BASS/DEMO button, press the ON/STAND-BY button until “WAIT” → “FINISHED” appears.
4. Unplug the AC cord and the unit is ready for transporting.

CHAPTER 3. MECHANISM BLOCKS

[1] Caution on disassembly

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Take cassette tape and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.

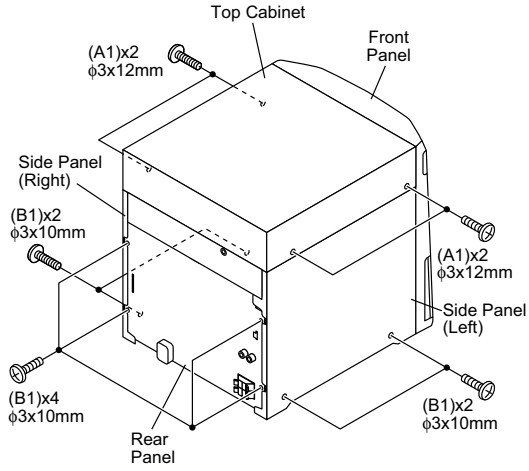
CD-MPX100E

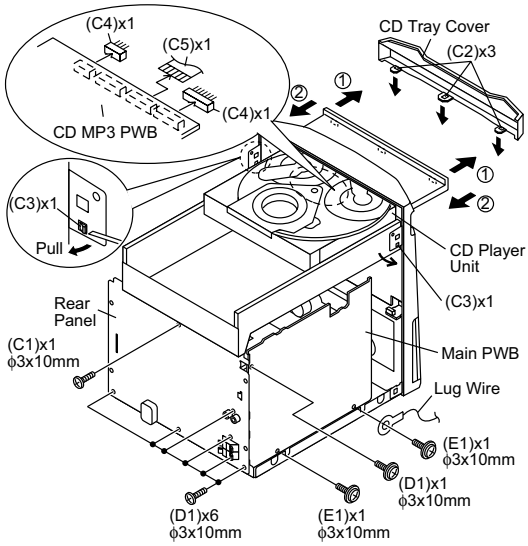
STEP	REMOVAL	PROCEDURE
1	Top Cabinet	1. Screw ..... (A1) x4
2	Side Panel (Left/Right)	1. Screw ..... (B1) x8
3	CD Tray Cover/ CD Player Unit	1. Turn on the power supply, open the disc tray, take out the CD tray cover, and close. (Note 1) 2. Screw ..... (C1) x1 3. Hook ..... (C2) x3 4. Hook ..... (C3) x2 5. Socket ..... (C4) x2 6. Flat Cable ..... (C5) x1
4	Rear Panel	1. Screw ..... (D1) x7
5	Main PWB	1. Screw ..... (E1) x4 2. Socket ..... (E2) x3 3. Flat Cable ..... (E3) x1 4. Flat Wire ..... (E4) x1
6	Front Panel	1. Screw ..... (F1) x2 2. Hook ..... (F2) x2 3. Flat Wire ..... (F3) x1
7	Display PWB	1. Screw ..... (G1) x9 2. Flat Cable ..... (G2) x1
8	Tape Mechanism	1. Open the cassette holder. 2. Screw..... (H1) x6
9	Headphones PWB	1. Screw ..... (J1) x1
10	Turntable	1. Hook ..... (K1) x2 2. Stabilizer Holder ..... (K2) x1
11	Loading Tray	1. Turn fully the lock lever in the arrow direction. 2. Push the loading tray backward to engage the claw with the groove and remove it in the direction of the arrow. (L1) x6
12	CD MP3 PWB (Note 2)	1. Screw ..... (M1) x2 2. Hook ..... (M2) x1 3. Socket ..... (M3) x2 4. Flat Cable ..... (M4) x1
13	CD Mechanism	1. Hook ..... (N1) x2 2. Hook ..... (N2) x2

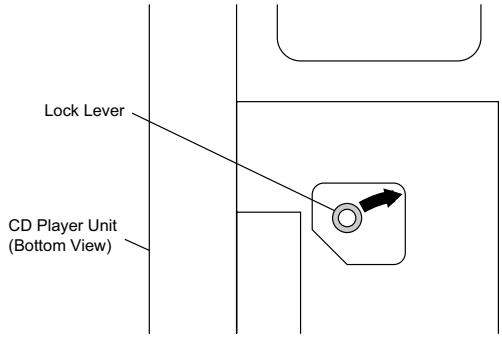
Note 1: How to open the changer manually.
1. In this state, turn fully the lock lever in the arrow direction through the hole on the loading tray bottom.
2. After that, push forward the Loading tray.

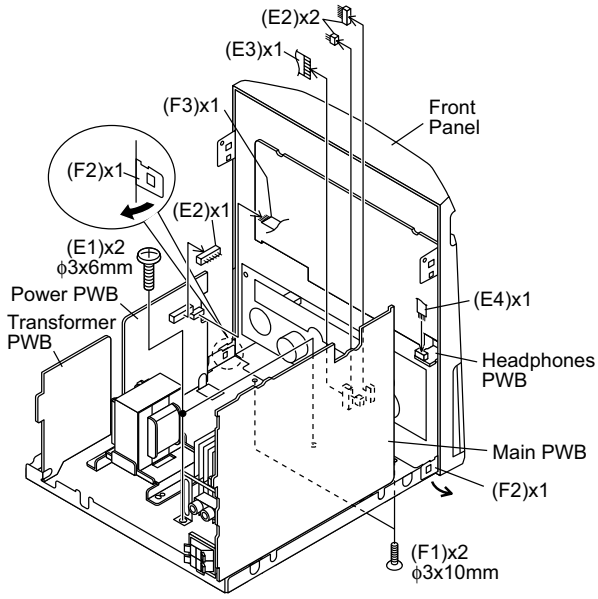
Note 2:
1. After removing the connector for the optical pickup from the connector, wrap the conductive aluminium foil around the front end of the connector so as to protect the optical pickup from electro-static damage.

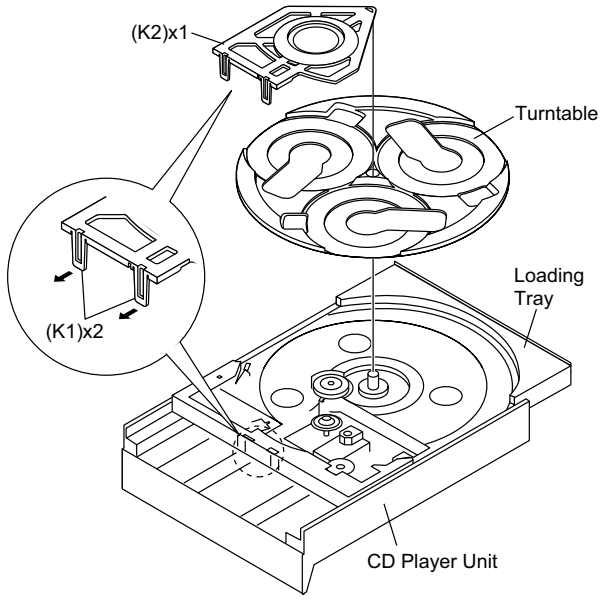
Note 3:
1. Be careful not to break the claw of the CD mechanism.
2. When fining back the cam gear assembly, let it lock by front movement.

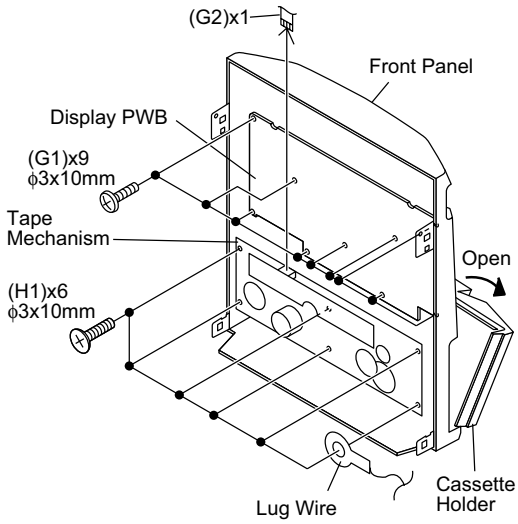


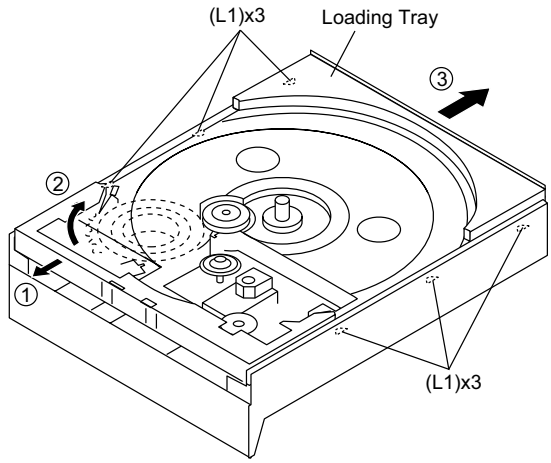


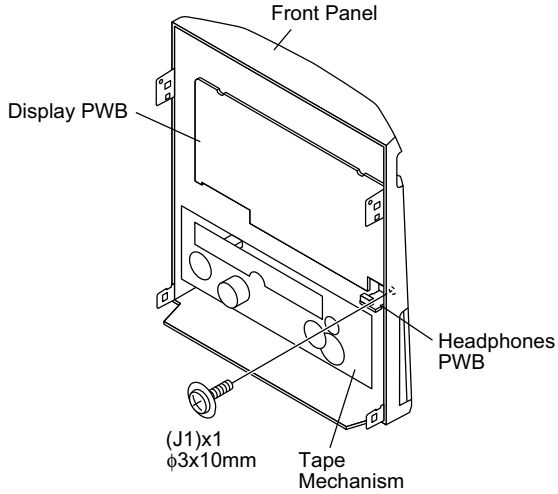


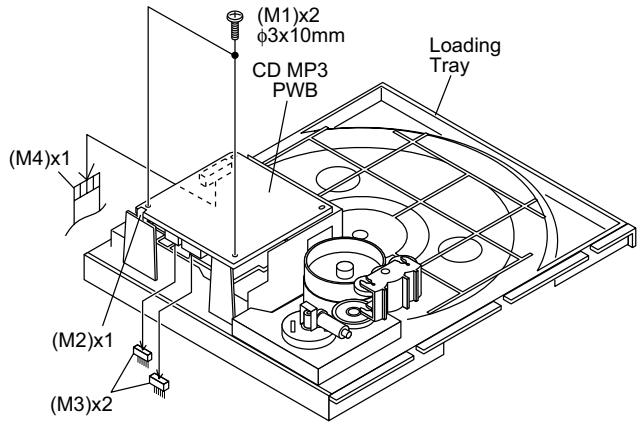

(E2)x2
(E3)x1
(F3)x1
Front Panel
(F2)x1
(E2)x1
(E1)x2
φ3x6mm
Power PWB
Transformer PWB
(E4)x1
Headphones PWB
Main PWB
(F2)x1
(F1)x2
φ3x10mm

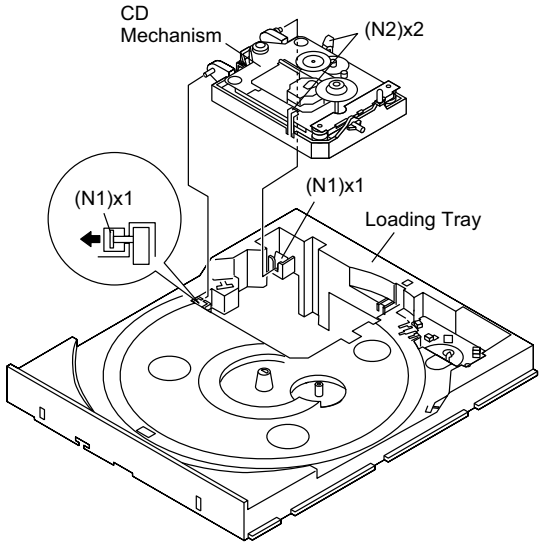

(K2)x1
Turntable
Loading Tray
(K1)x2
CD Player Unit


(G2)x1
Front Panel
Display PWB
(G1)x9
φ3x10mm
Tape Mechanism
Open
(H1)x6
φ3x10mm
Lug Wire
Cassette Holder

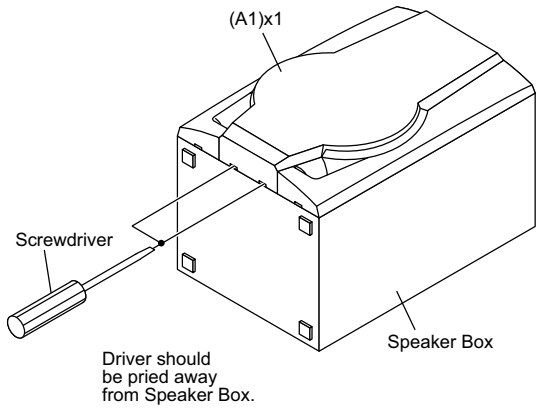

(L1)x3
Loading Tray
③
②
①
(L1)x3

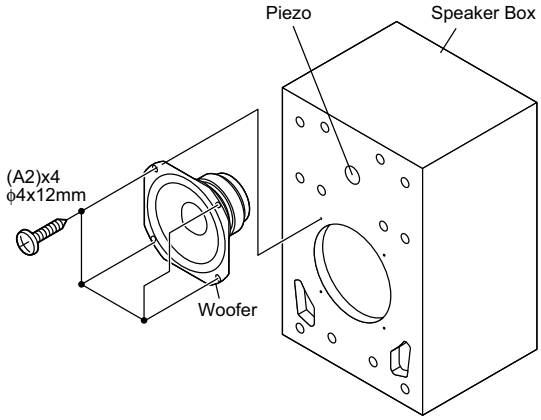

Front Panel
Display PWB
Headphones PWB
(J1)x1
φ3x10mm
Tape Mechanism


(M1)x2
φ3x10mm
Loading Tray
CD MP3 PWB
(M4)x1
(M2)x1
(M3)x2



CP-MPX100H		
STEP	**REMOVAL**	**PROCEDURE**
1	Woofer	1. Net Frame Ass'y..... (A1) x1 2. Screw ..... (A2) x4





[2] Removing and reinstalling the main parts

1. TAPE MECHANISM SECTION

Perform steps 1 to 6 and 8 of the disassembly method to remove the tape mechanism.

1.1. How to remove the record/playback and erase heads. (TAPE 2) (See Fig. 1)

1. When you remove the screws (A1) x 2 pcs., the recording/playback head and three-dimensional head of the erasing head can be removed.

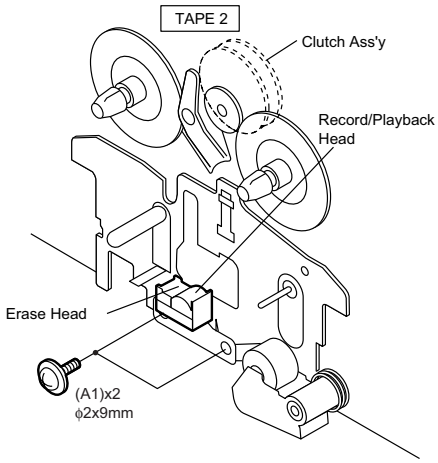


Figure 1

1.2. How to remove the playback head. (TAPE 1) (See Fig. 2)

1. When you remove the screws (B1) x 2 pcs., the playback head can be removed.

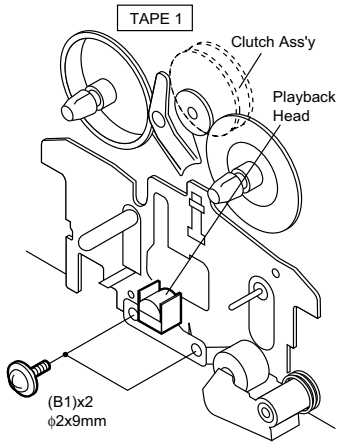


Figure 2

1.3. How to remove the pinch roller. (TAPE 1/2) (See Fig. 3)

1. Carefully bend the pinch roller pawl in the direction of the arrow <A>, and remove the pinch roller (C1) x 1 pc., in the direction of the arrow <B>.

NOTE: When installing the pinch roller, pay attention to the spring mounting position.

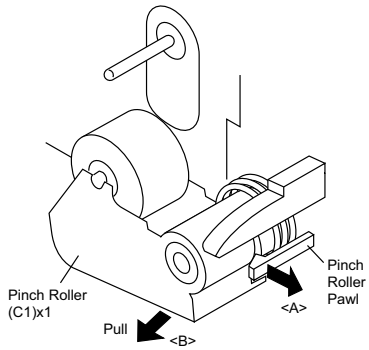


Figure 3

1.4. How to remove the belt. (TAPE 2) (See Fig. 4)

1. Remove the main belt (D1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (D2) x 1 pc.

1.5. How to remove the belt. (TAPE 1) (See Fig. 4)

1. Remove the main belt (E1) x 1 pc., from the motor side.
2. Remove the FF/REW belt (E2) x 1 pc.

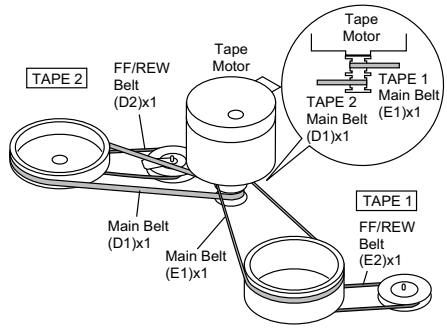


Figure 4

1.6. How to remove the motor. (See Fig. 5)

1. Remove the screws (F1) x 2 pcs., to remove the motor.

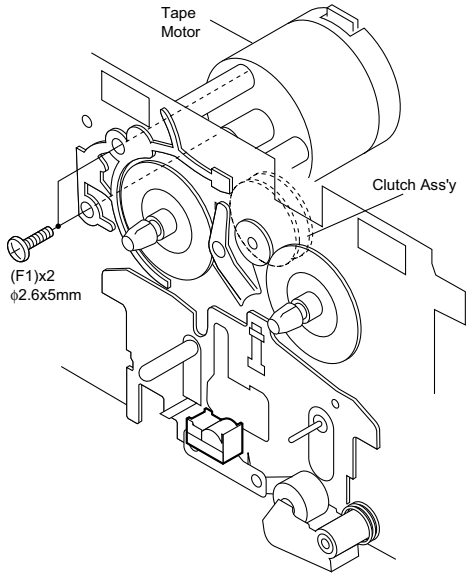


Figure 5

2. CD MECHANISM SECTION

Perform steps 1, 2, 3, 10, 11 and 13 of the disassembly method to remove the CD mechanism.

2.1. How to remove the loading motor. (See Fig. 1)

1. Bend the hooks (A1) x 5 pcs., to remove the loading motor.

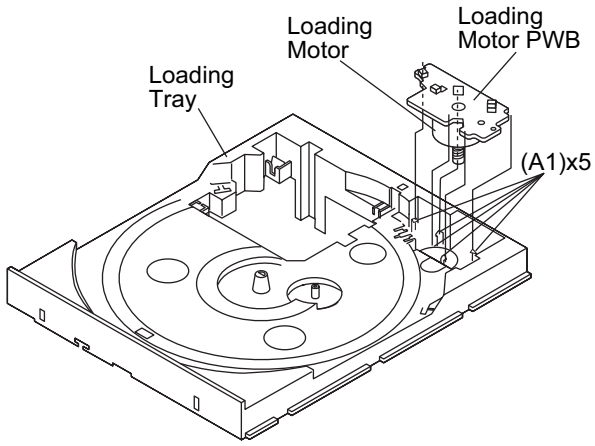


Figure 1

2.2. Remove the pickup. (See Fig. 2)

1. Remove the stop washer (B1) x 1 pc., to remove the gear (B2) x 1 pc.
2. Remove the screws (B3) x 2 pcs., to remove the shaft (B4) x 1 pc.
3. Remove the pickup.

NOTE: After removing the connector for the optical pickup from the connector wrap the conductive aluminium foil around the front end of connector so as to protect the optical pickup from electrostatic damage.

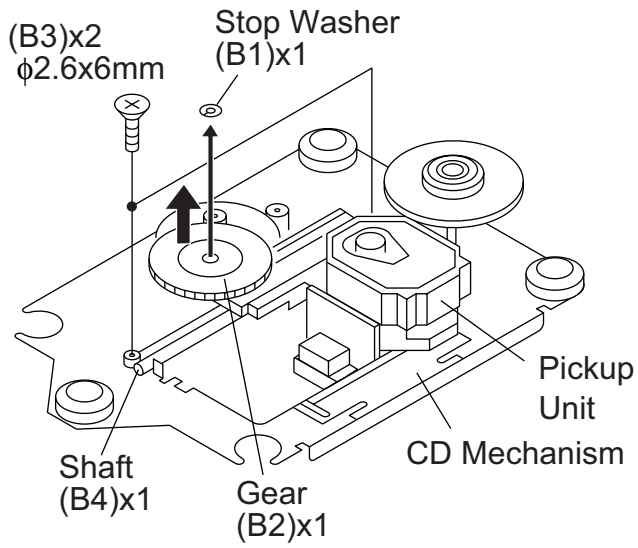


Figure 2

CHAPTER 4. DIAGRAMS

[1] Block diagrams

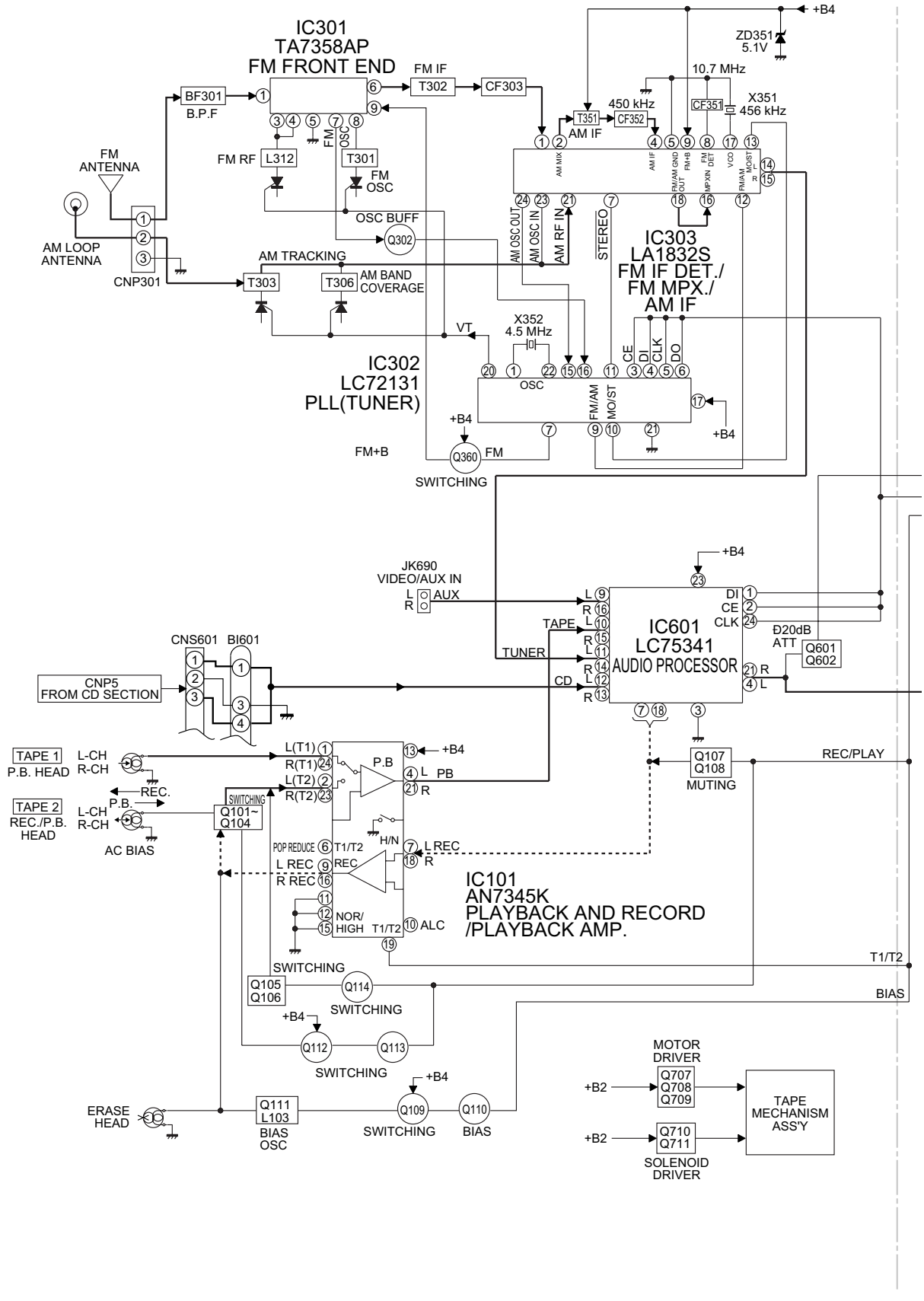


Figure 4-1 BLOCK DIAGRAM (1/3)

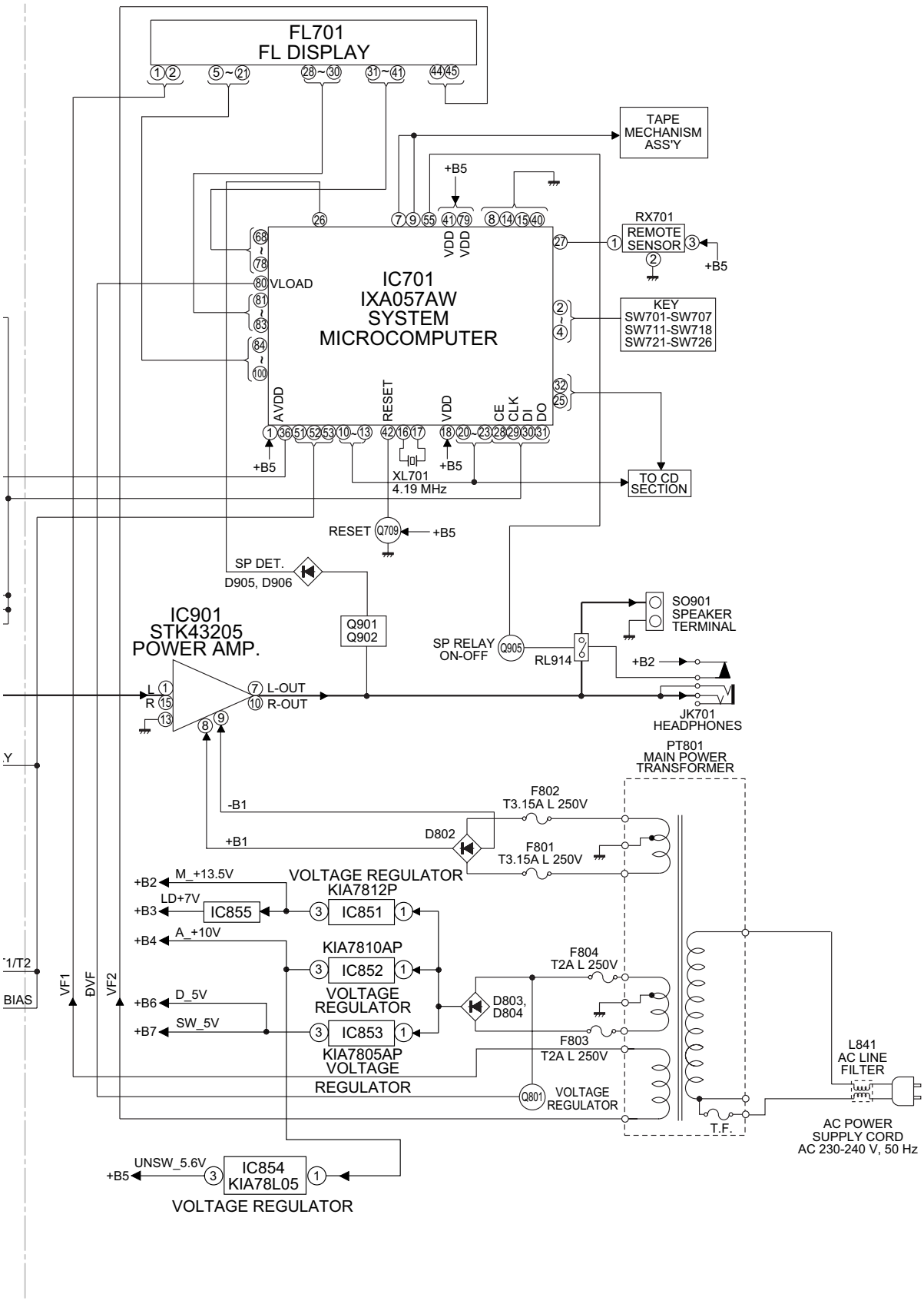


Figure 4-2 BLOCK DIAGRAM (2/3)

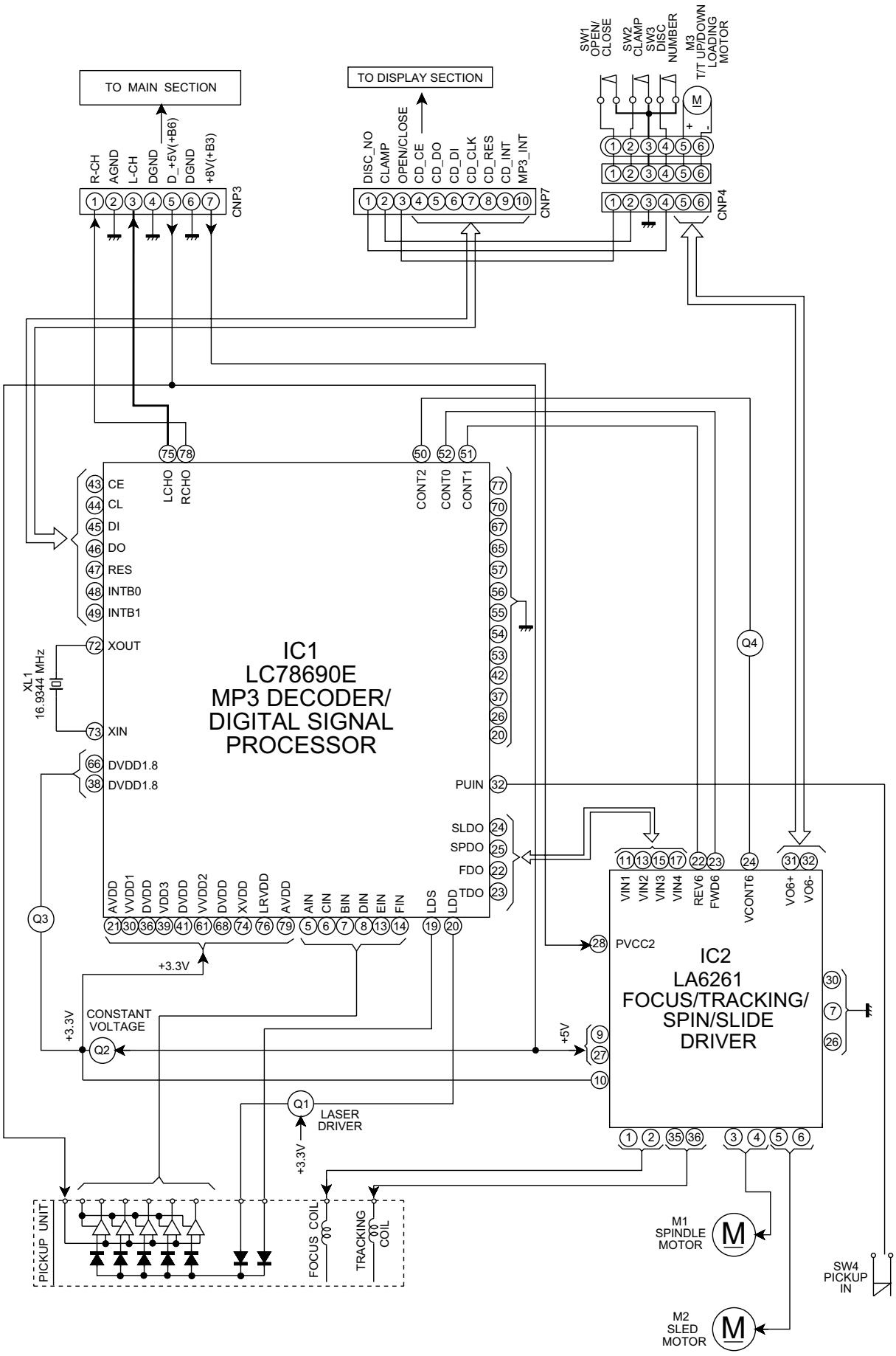


Figure 4-3 BLOCK DIAGRAM (3/3)

CHAPTER 5. CIRCUIT DESCRIPTION

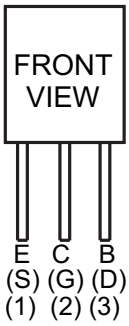
[1] Notes on schematic diagram

- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  1. In the tuner section,
     indicates AM
     indicates FM stereo
  2. In the main section, a tape is being played back.
  3. In the deck section, a tape is being played back.
     ( ) indicates the record state.
  4. In the power section, a tape is being played back.
  5. In the CD section, the CD is stopped.
- Parts marked with “ ⚠ “ (⊏ ═ ═ ═ ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

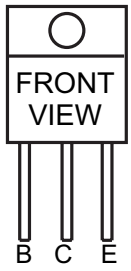
REF. NO	DESCRIPTION	POSITION
SW1	OPEN/CLOSE	ON—OFF
SW2	CLAMP	ON—OFF
SW3	DISC NUMBER	ON—OFF
SW4	PICKUP IN	ON—OFF
SW701	ON/STAND-BY	ON—OFF
SW702	MEMORY/SET	ON—OFF
SW703	REC/PAUSE	ON—OFF
SW704	TUNING DOWN	ON—OFF
SW705	TUNING UP	ON—OFF
SW706	CLOCK/TIMER	ON—OFF
SW707	DISPLAY	ON—OFF
SW711	CD	ON—OFF

REF. NO	DESCRIPTION	POSITION
SW712	TUNER (BAND)	ON—OFF
SW713	VIDEO/AUX	ON—OFF
SW714	TAPE	ON—OFF
SW715	STOP	ON—OFF
SW716	PLAY	ON—OFF
SW717	FAST FORWARD	ON—OFF
SW718	FAST REWIND	ON—OFF
SW721	X-BASS/DEMO	ON—OFF
SW722	EQUALIZER	ON—OFF
SW723	OPEN/CLOSE	ON—OFF
SW724	DISC SKIP	ON—OFF
SW725	VOLUME UP	ON—OFF
SW726	VOLUME DOWN	ON—OFF

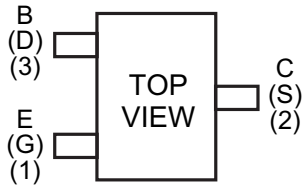
[2] Types of transistor and LED



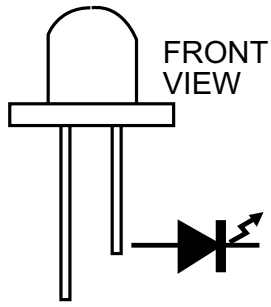
KRA102 M
KRC104 M
KTA1266 GR
KTA1271 Y
KTA1273 Y
KTA1274 Y
KTC3194 Y
KTC3199 GR
KTC3200 GR
KTC3203 Y



KTC2026

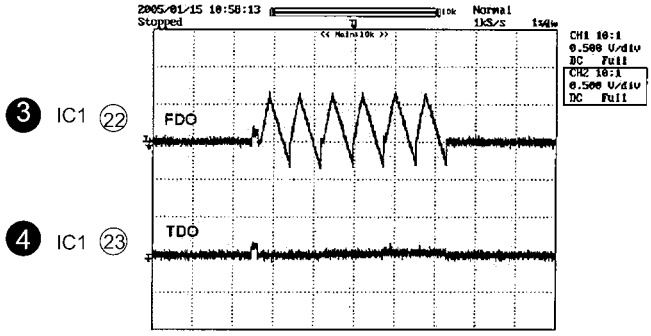


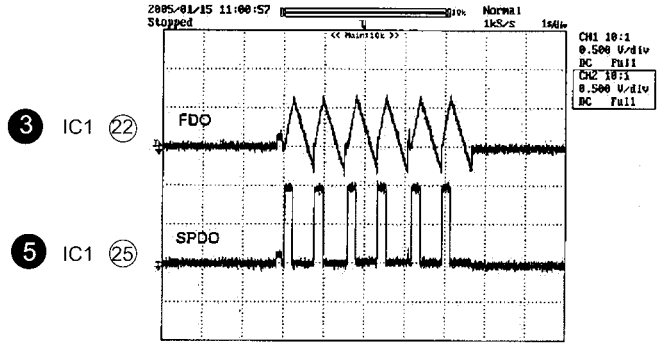
KTA1504 Y
KTC3875 GR
KRA107 S
KRC102 S
KRC104 S

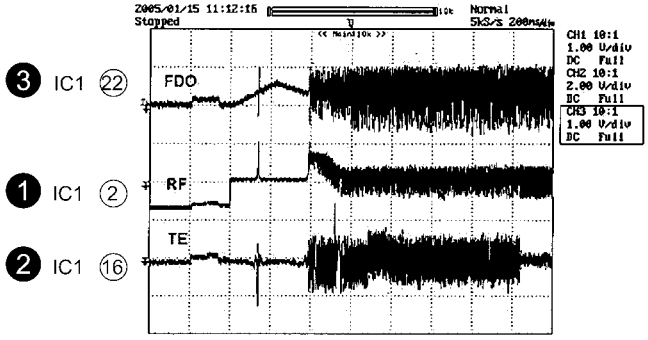


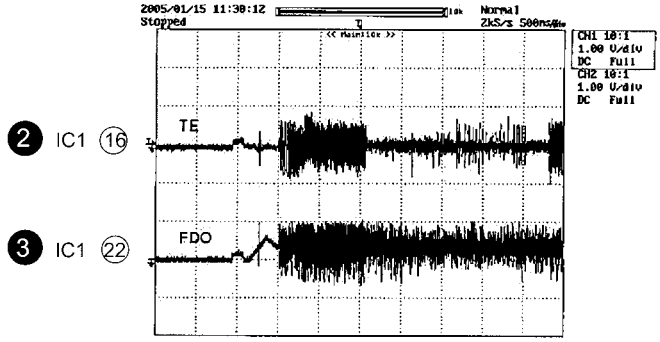
SLR342VCJ

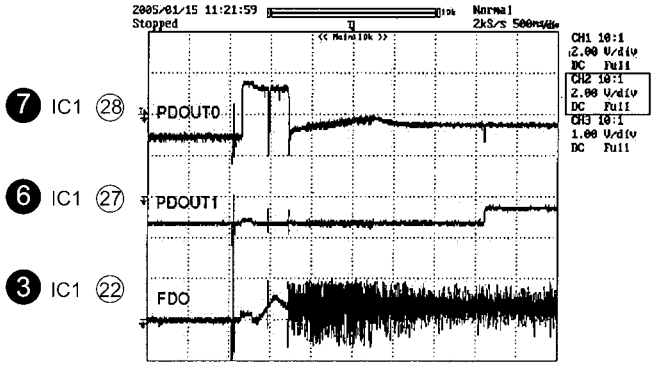
[3] Waveforms of CD circuit

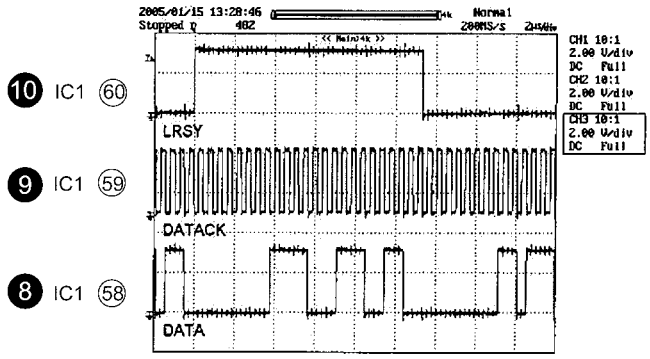


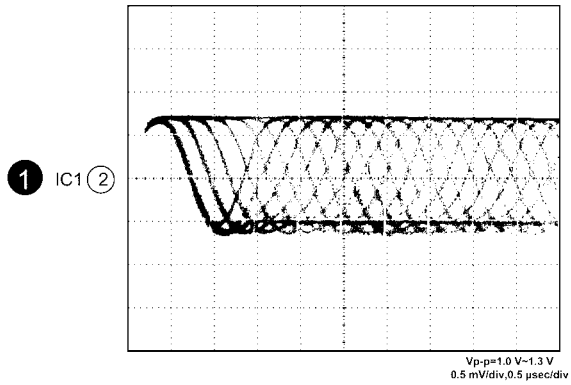












[4] Voltage

IC1	
PIN NO.	VOLTAGE
1	0 V
2	1.82 V
3	1.82 V
4	1.41 V
5	1.62 V
6	1.65 V
7	1.65 V
8	1.65 V
9	1.69 V
10	1.70 V
11	1.65 V
12	0 V
13	1.65 V
14	1.65 V
15	1.67 V
16	1.68 V
17	1.64 V
18	3.25 V
19	0 V
20	0 V
21	3.26 V
22	1.66 V
23	1.66 V
24	1.66 V
25	1.67 V
26	0 V
27	0 V
28	0 V
29	3.25 V
30	3.28 V
31	0 V
32	3.28 V
33	0 V
34	0 V
35	0 V
36	3.28 V
37	0 V
38	1.82 V
39	3.23 V
40	0 V
41	3.27 V
42	0 V
43	0 V
44	3.00 V
45	0 V
46	0 V
47	3.17 V
48	3.18 V
49	3.18 V
50	0 V
51	0 V
52	0 V
53	0 V
54	0 V
55	0 V
56	0 V
57	0 V
58	0 V
59	0 V
60	0 V
61	3.03 V
62	1.54 V
63	1.99 V
64	1.99 V
65	0 V
66	1.83 V
67	0 V
68	3.26 V
69	0 V
70	0 V
71	0 V
72	1.33 V
73	1.33 V
74	3.13 V
75	1.61 V
76	3.23 V
77	0 V
78	1.61 V
79	3.26 V
80	1.61 V

IC2	
PIN NO.	VOLTAGE
1	2.10 V
2	2.07 V
3	2.10 V
4	2.06 V
5	2.10 V
6	2.06 V
7	0 V
8	4.20 V
9	4.88 V
10	3.29 V
11	1.66 V
12	1.64 V
13	1.66 V
14	1.65 V
15	1.66 V
16	1.65 V
17	1.65 V
18	1.65 V
19	0 V
20	0 V
21	3.15 V
22	0 V
23	0 V
24	4.03 V
25	1.65 V
26	0 V
27	4.92 V
28	7.68 V
29	4.87 V
30	0 V
31	0 V
32	0 V
33	0 V
34	0 V
35	2.11 V
36	2.08 V

IC101	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0.57 V
4	3.14 V
5	0 V
6	1.32 V
7	0 V
8	0.60 V
9	5.30 V
10	5.12 V
11	0 V
12	0 V
13	6 V
14	6 V
15	0 V
16	5.26 V
17	0.60 V
18	0 V
19	2.44 V
20	0 V
21	3.14 V
22	0.57 V
23	0 V
24	0 V

IC301	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0.70 V
4	0 V
5	0 V
6	0.40 V
7	0 V
8	0.25 V
9	0.25 V

IC302	
PIN NO.	VOLTAGE
1	2.54 V
2	0 V
3	0 V
4	0 V
5	0 V
6	5 V
7	9.87 V
8	4.71 V
9	0 V
10	0 V
11	5.12 V
12	0 V
13	5.60 V
14	0 V
15	0 V
16	2.54 V
17	5.17 V
18	0 V
19	0 V
20	9.88 V
21	0 V
22	2.55 V

IC303	
PIN NO.	VOLTAGE
1	1.97 V
2	5.09 V
3	1.97 V
4	1.96 V
5	0 V
6	5.16 V
7	5.16 V
8	3.62 V
9	5.09 V
10	4.37 V
11	2.07 V
12	1.20 V
13	2.16 V
14	2.12 V
15	1.14 V
16	1.20 V
17	0.55 V
18	1.13 V
19	2 V
20	1.13 V
21	1.94 V
22	1.94 V
23	5.09 V
24	3.58 V

IC701			
PIN NO.	VOLTAGE	PIN NO.	VOLTAGE
1	4.70 V	51	0 V
2	4.98 V	52	4.59 V
3	4.98 V	53	4.53 V
4	4.98 V	54	4.54 V
5	0 V	55	4.42 V
6	4.98 V	56	4.62 V
7	4.98 V	57	0 V
8	0 V	58	0 V
9	5 V	59	0 V
10	5 V	60	0 V
11	5 V	61	0 V
12	0 V	62	0 V
13	0 V	63	0 V
14	0 V	64	0 V
15	0V	65	0 V
16	2.42 V	66	0 V
17	3 V	67	0 V
18	4.66 V	68	-28.68 V
19	5.77 V	69	-25.62 V
20	6.34 V	70	-28.67 V
21	0 V	71	-25.60 V
22	4.66 V	72	-28.65 V
23	4.66 V	73	-19.84 V
24	0 V	74	-25.76 V
25	5 V	75	-25.59 V
26	5 V	76	-20 V
27	4.85 V	77	-19.84 V
28	0 V	78	-25.78 V
29	0 V	79	4.70 V
30	0 V	80	-28.80 V
31	5 V	81	-0.38 V
32	0 V	82	-25.80 V
33	0 V	83	-1.03 V
34	0 V	84	-28.65 V
35	3.71 V	85	-22.94 V
36	3.59 V	86	21.26 V
37	13.27 V	87	-21.36 V
38	13.26 V	88	-0.56 V
39	13.27 V	89	-27.30 V
40	0 V	90	-24.55 V
41	4.66 V	91	-24.49 V
42	4.78 V	92	-24.39 V
43	4.66 V	93	-24.39 V
44	4.66 V	94	-24.39 V
45	0 V	95	-24.35 V
46	0 V	96	-24.38 V
47	0 V	97	-24.36 V
48	0 V	98	-24.26 V
49	0 V	99	-24.26 V
50	0 V	100	-23.96 V

IC601	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	4.97 V
5	4.93 V
6	4.94 V
7	4.94 V
8	4.97 V
9	4.94 V
10	4.94 V
11	4.94 V
12	4.94 V
13	4.94 V
14	4.94 V
15	4.94 V
16	4.94 V
17	4.95 V
18	4.94 V
19	4.93 V
20	4.93 V
21	4.96 V
22	4.96 V
23	9.89 V
24	0 V

IC901	
PIN NO.	VOLTAGE
1	0 V
2	0 V
3	0 V
4	23.06 V
5	-21.67 V
6	0 V
7	0 V
8	24 V
9	-24 V
10	0 V
11	0 V
12	-22.75 V
13	0 V
14	-0.15 V
15	-0.15 V

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

[1] Schematic diagram

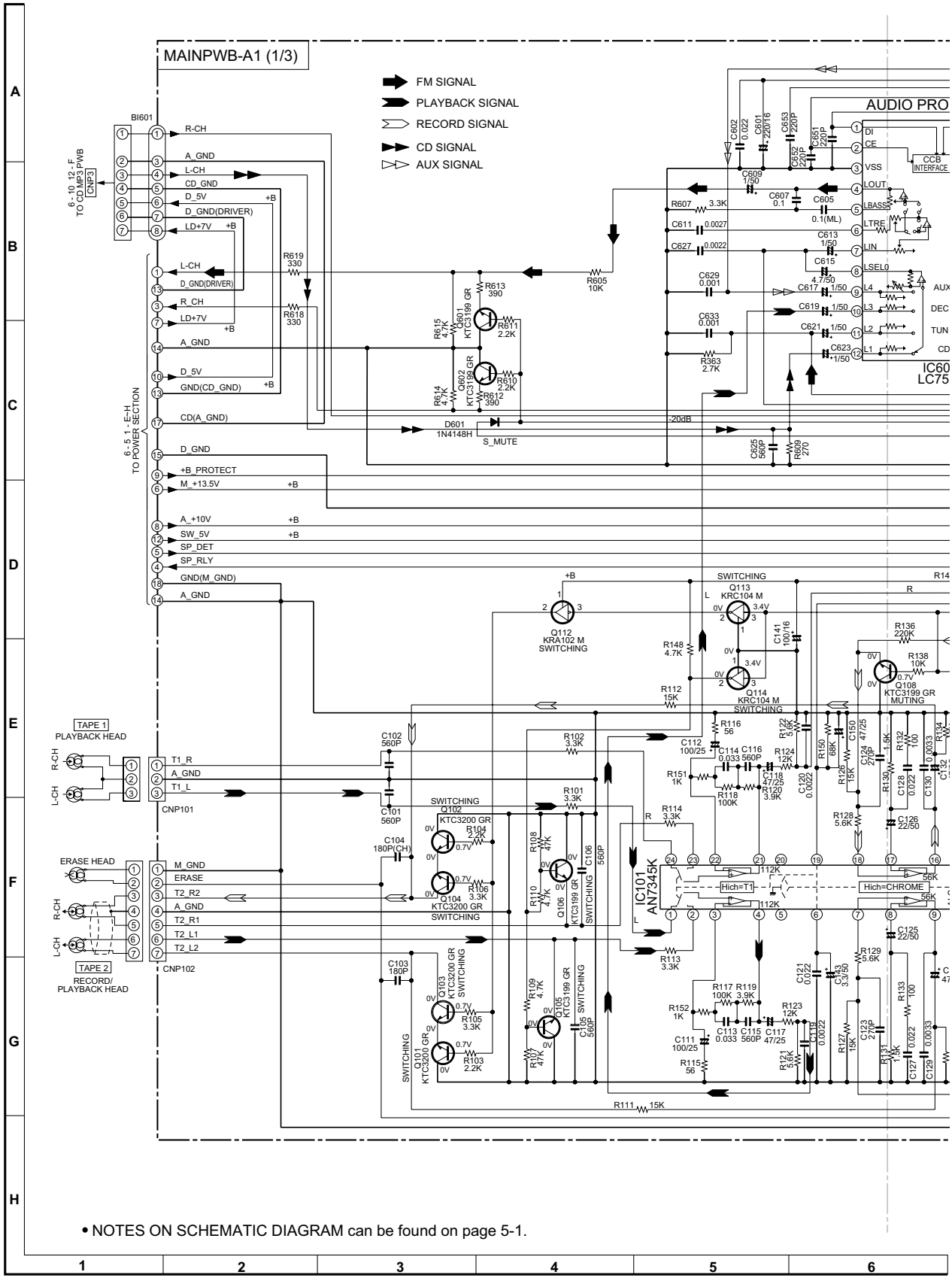
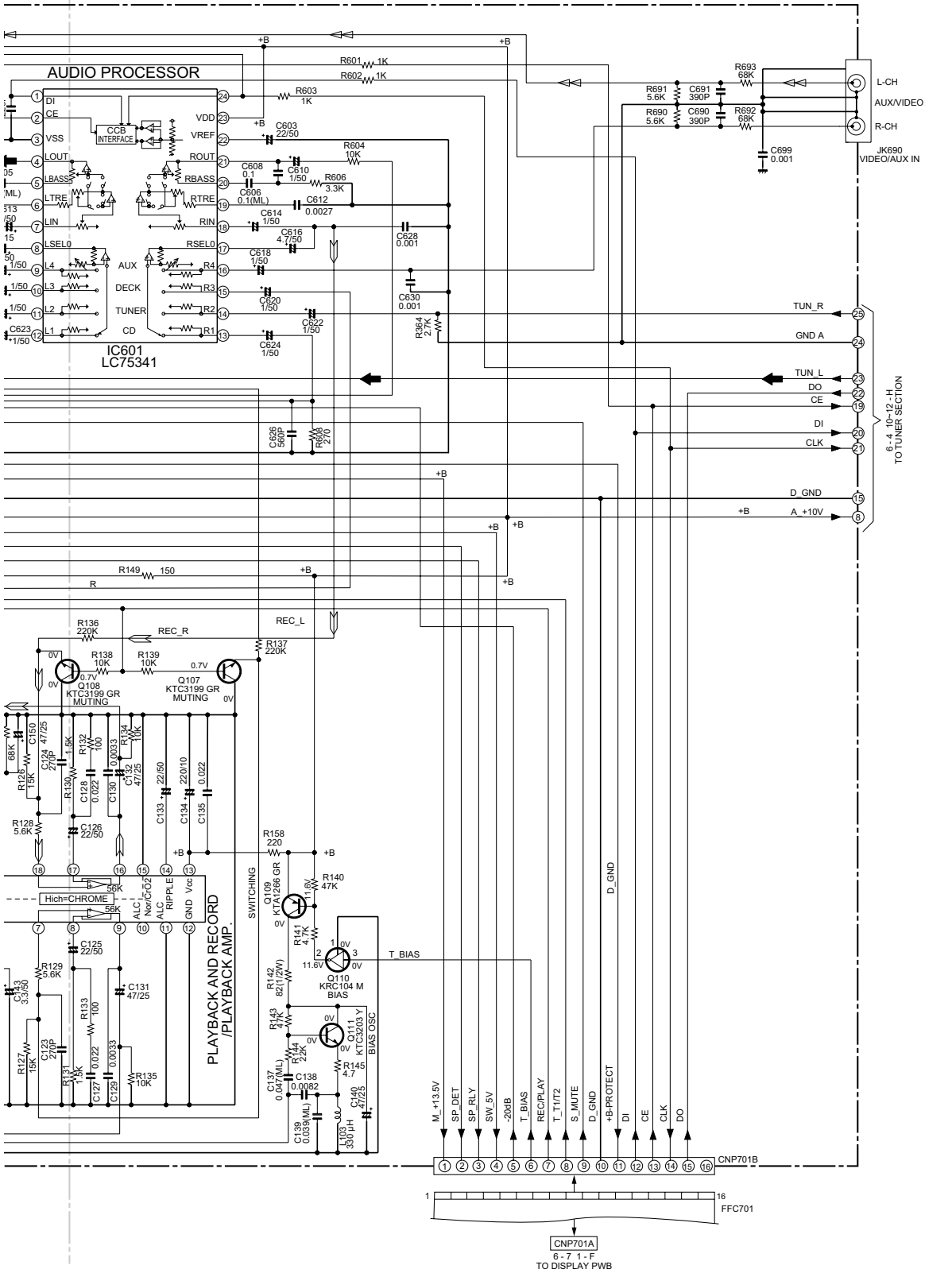


Figure 6-1 SCHEMATIC DIAGRAM (1/10)



7	8	9	10	11	12

Figure 6-2 SCHEMATIC DIAGRAM (2/10)

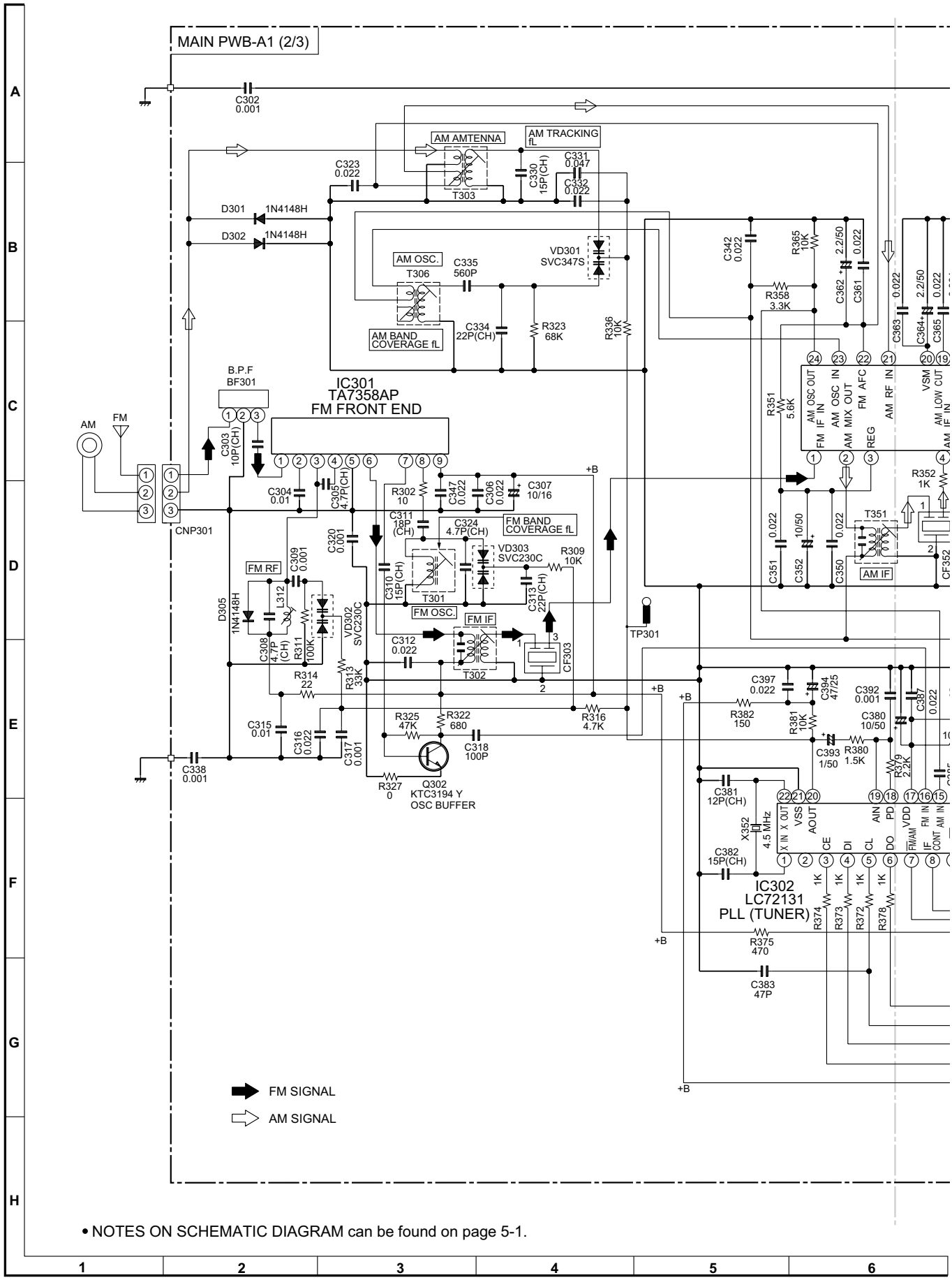
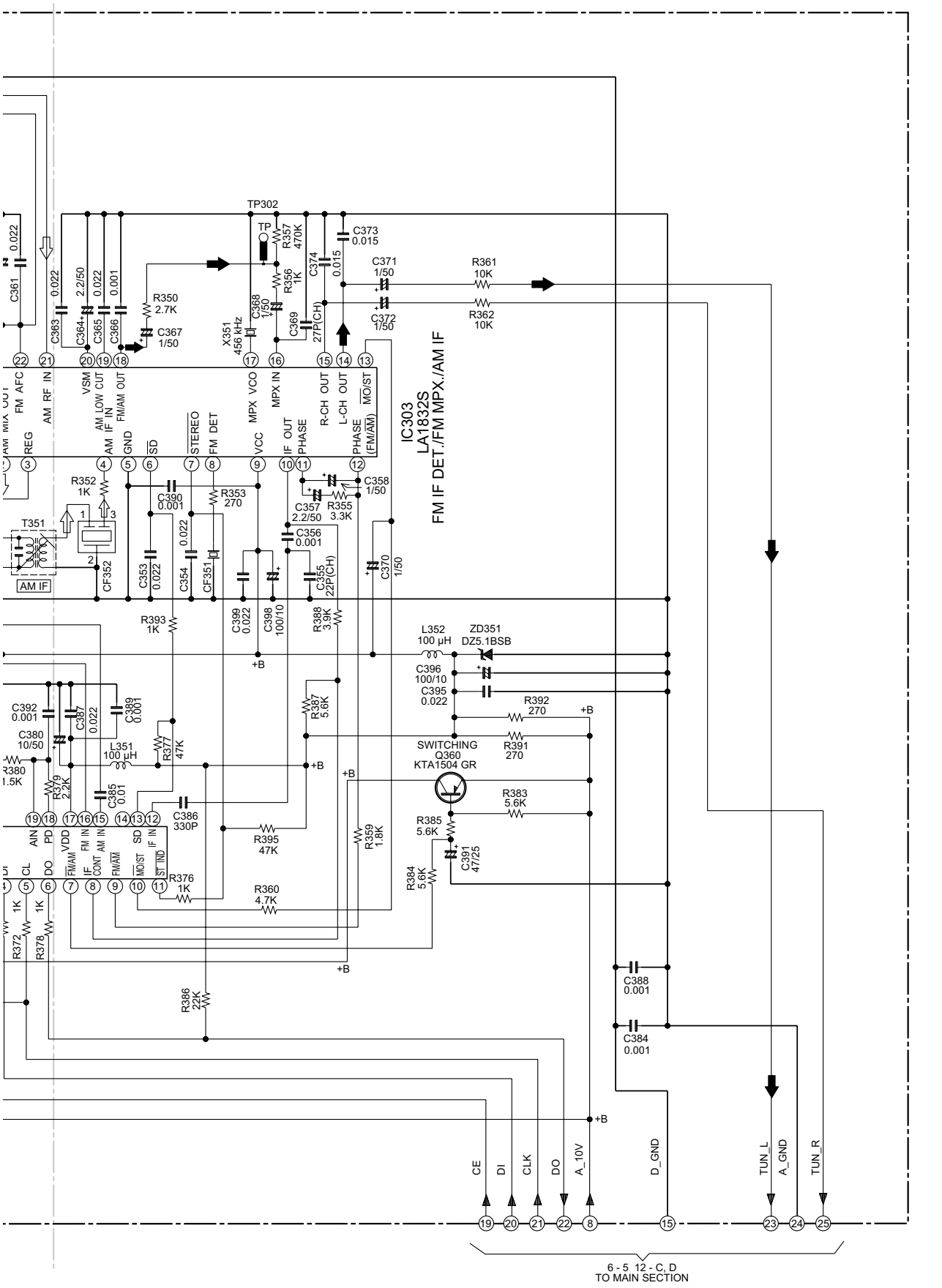
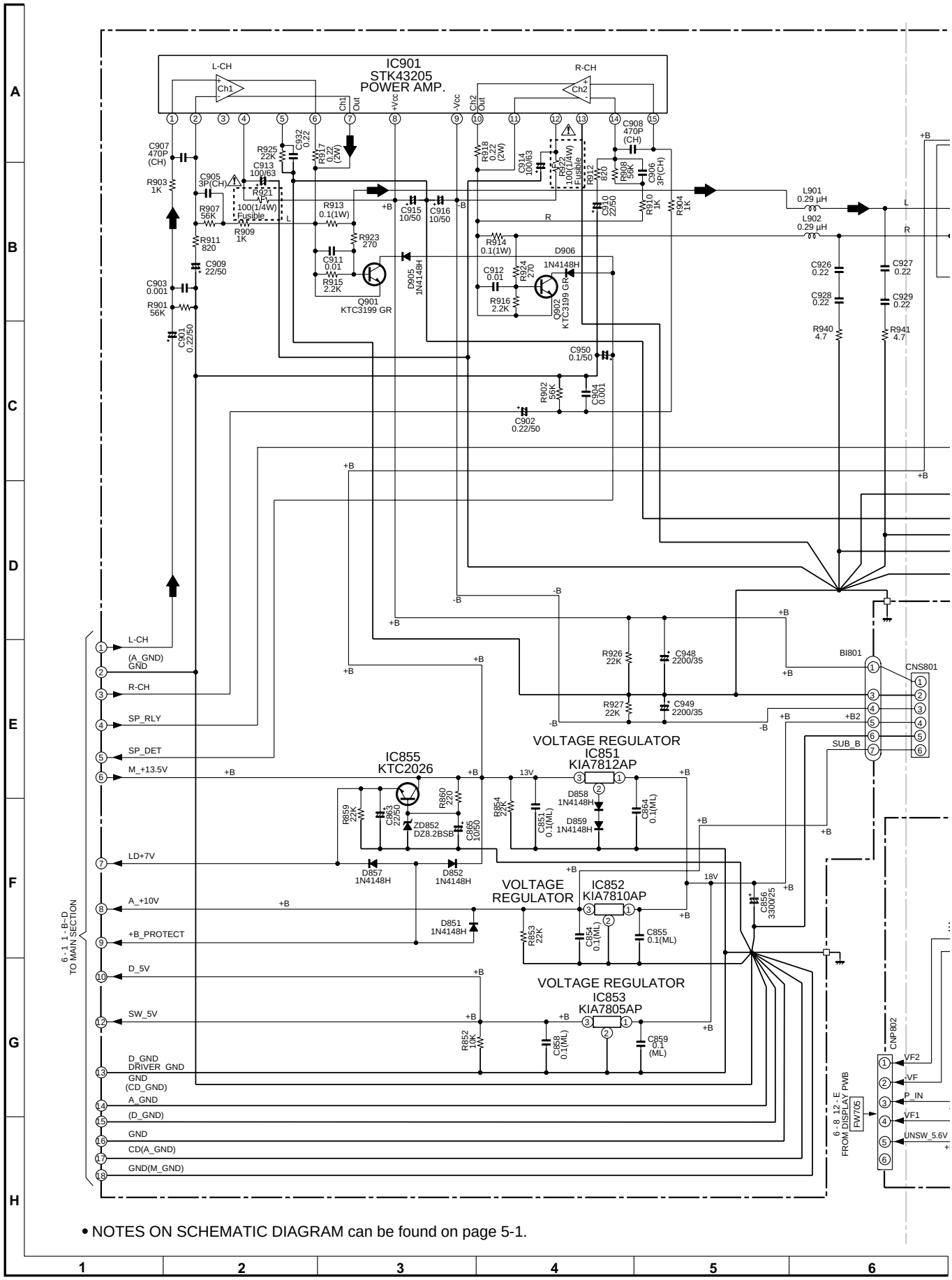


Figure 6-3 SCHEMATIC DIAGRAM (3/10)



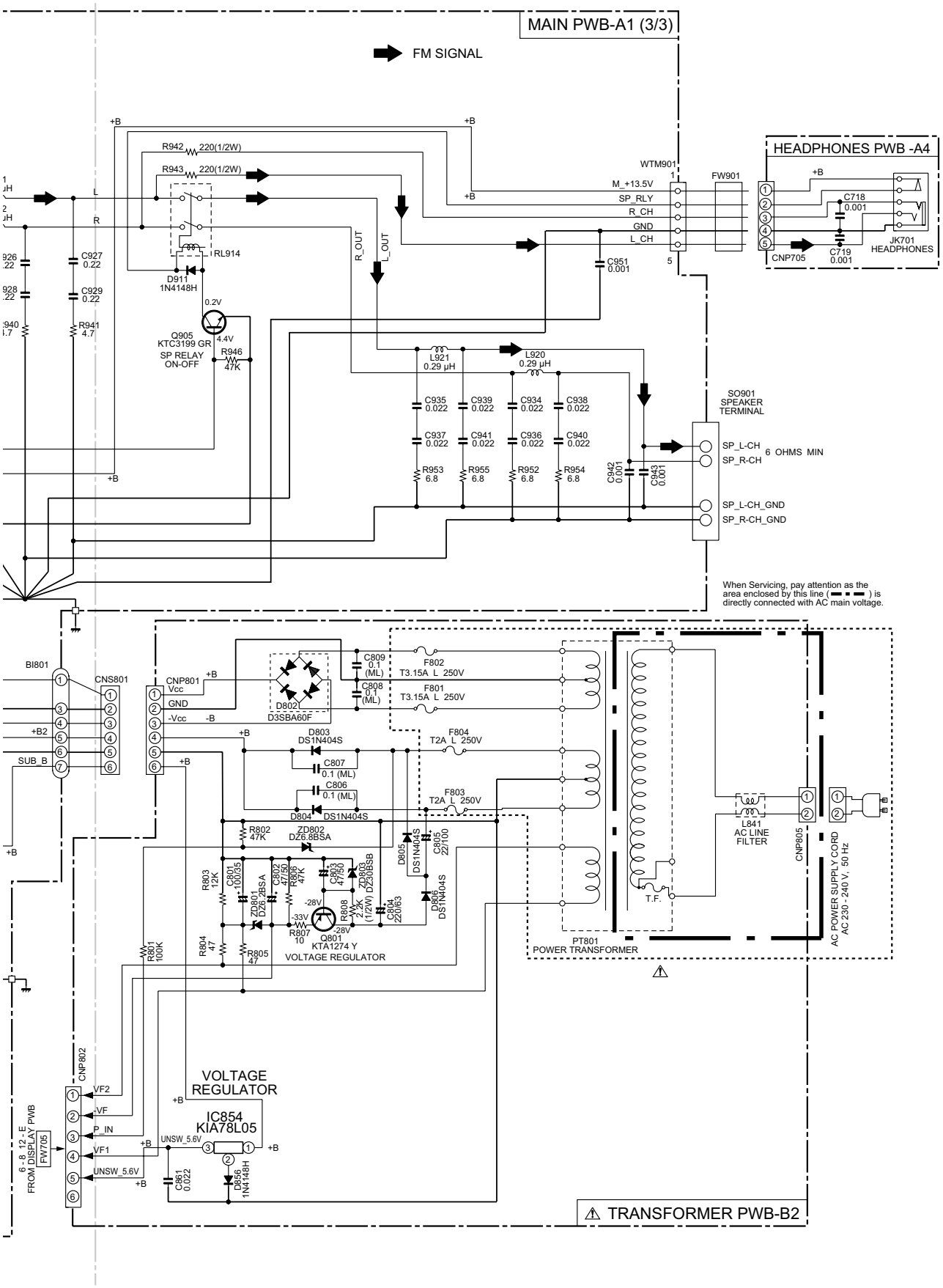
7	8	9	10	11	12

Figure 6-4 SCHEMATIC DIAGRAM (4/10)



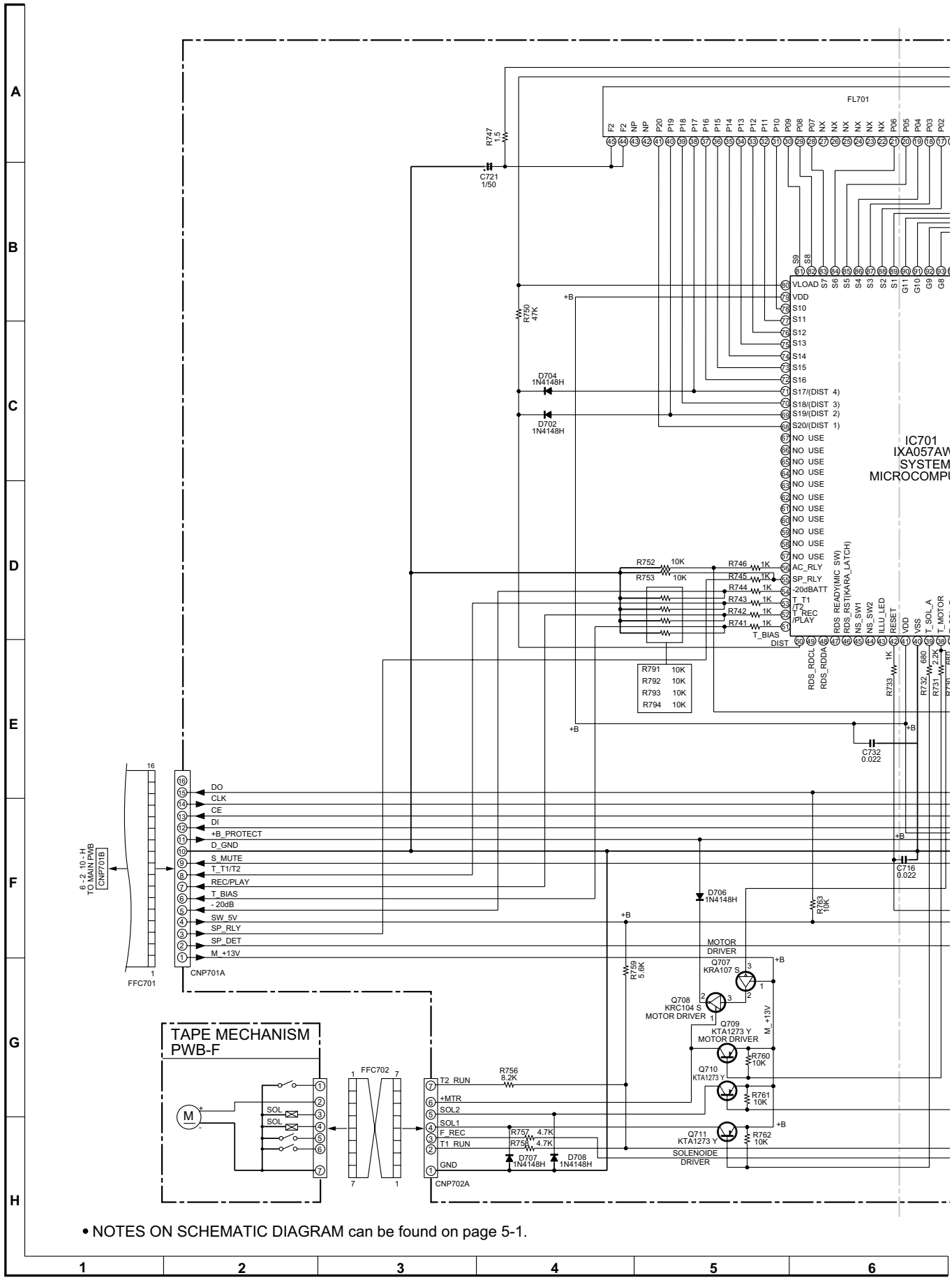
• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-5 SCHEMATIC DIAGRAM (5/10)



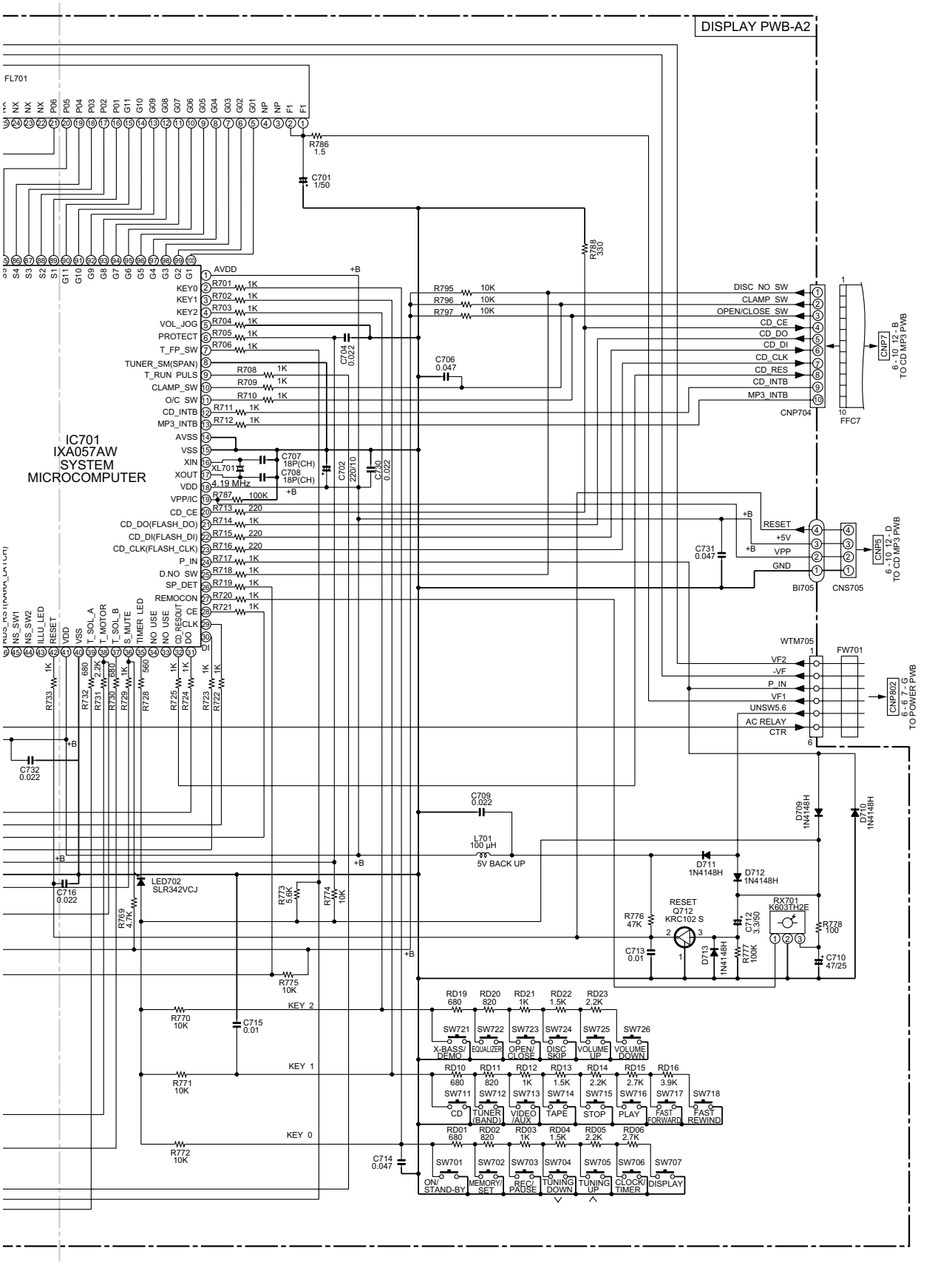
7	8	9	10	11	12

Figure 6-6 SCHEMATIC DIAGRAM (6/10)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-7 SCHEMATIC DIAGRAM (7/10)



7	8	9	10	11	12

Figure 6-8 SCHEMATIC DIAGRAM (8/10)

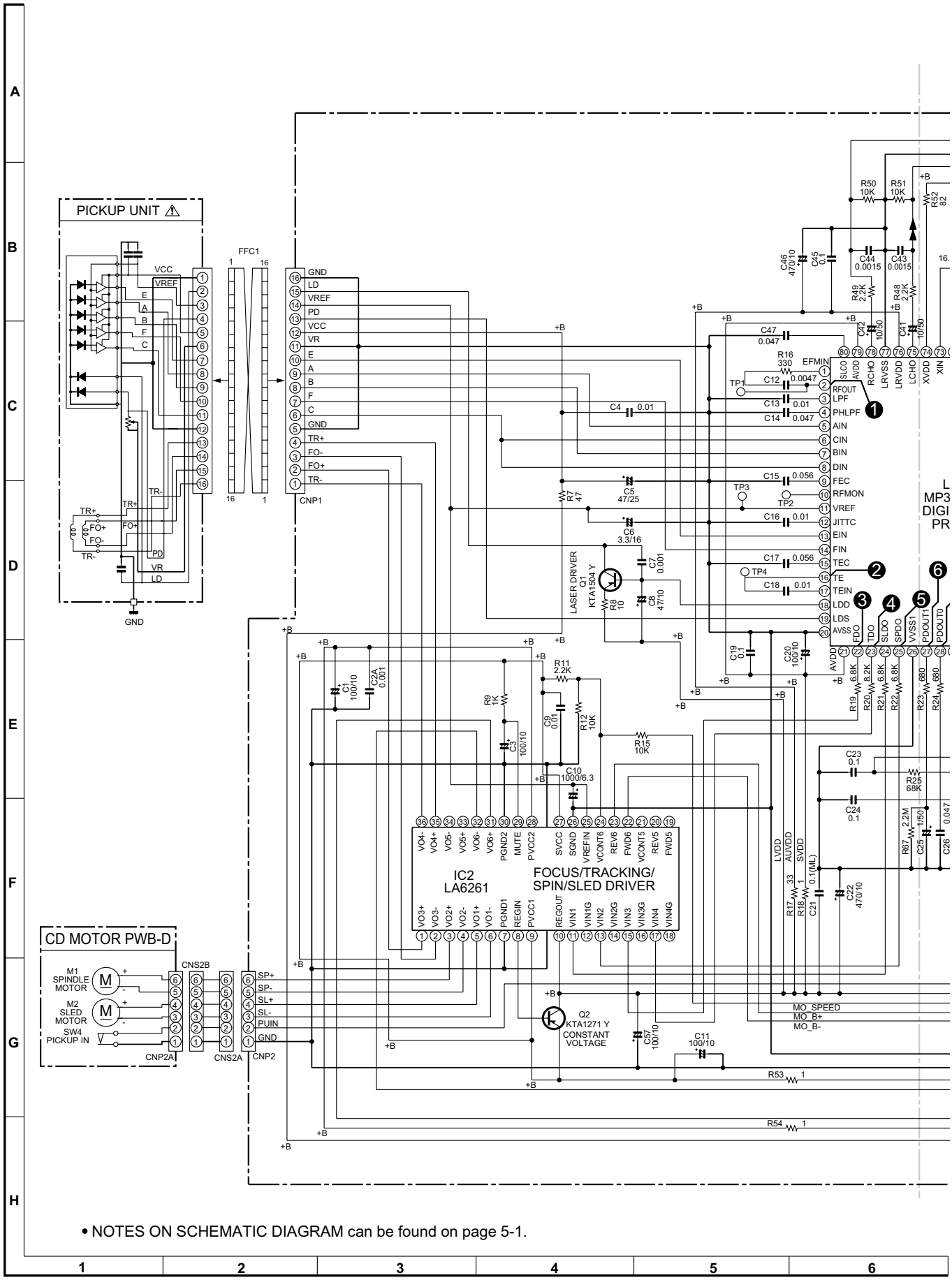
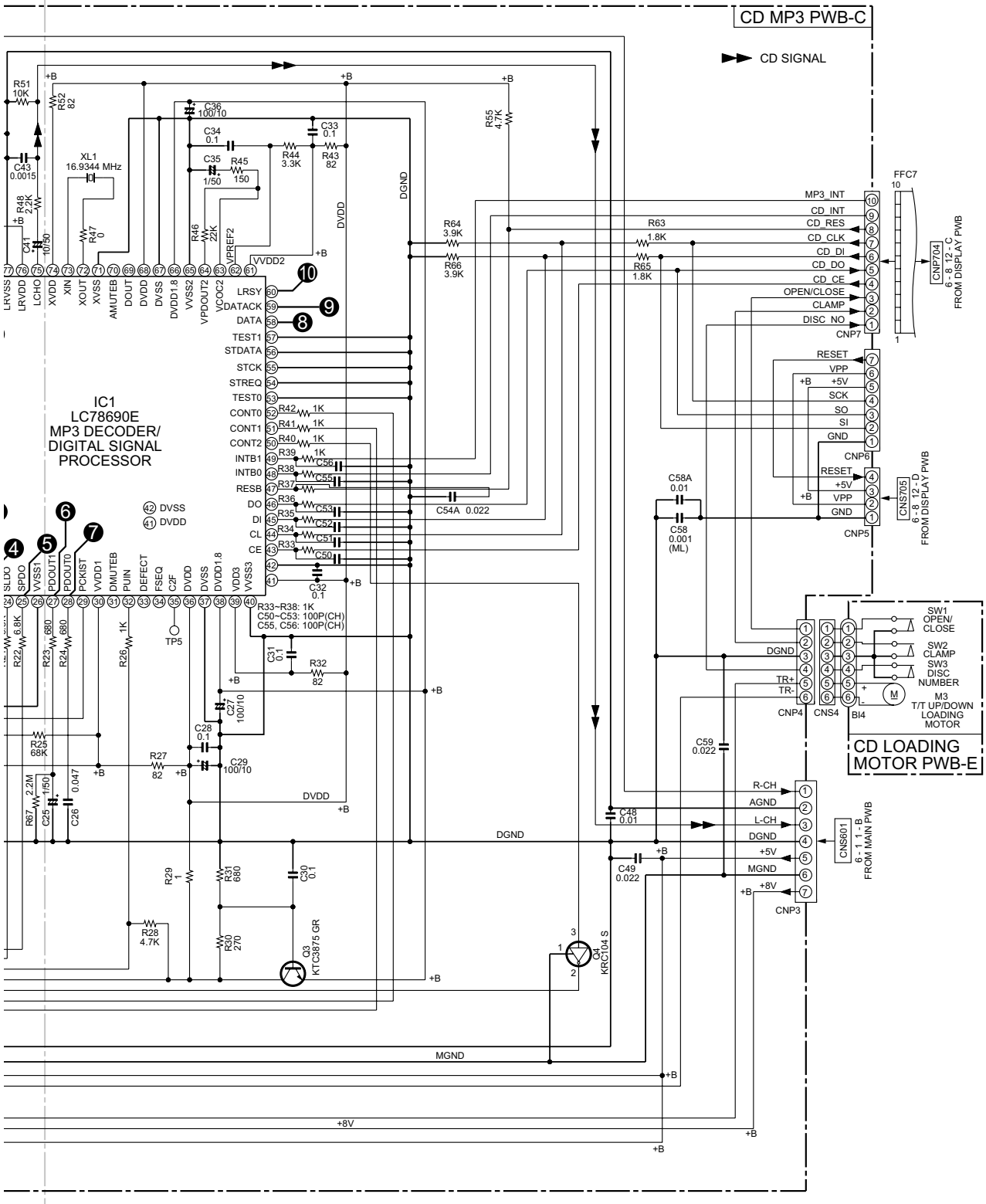


Figure 6-9 SCHEMATIC DIAGRAM (9/10)



• The numbers ❶ to ❿ are waveform numbers shown in page 5-2.

7	8	9	10	11	12

Figure 6-10 SCHEMATIC DIAGRAM (10/10)

[2] Wiring side of PWB

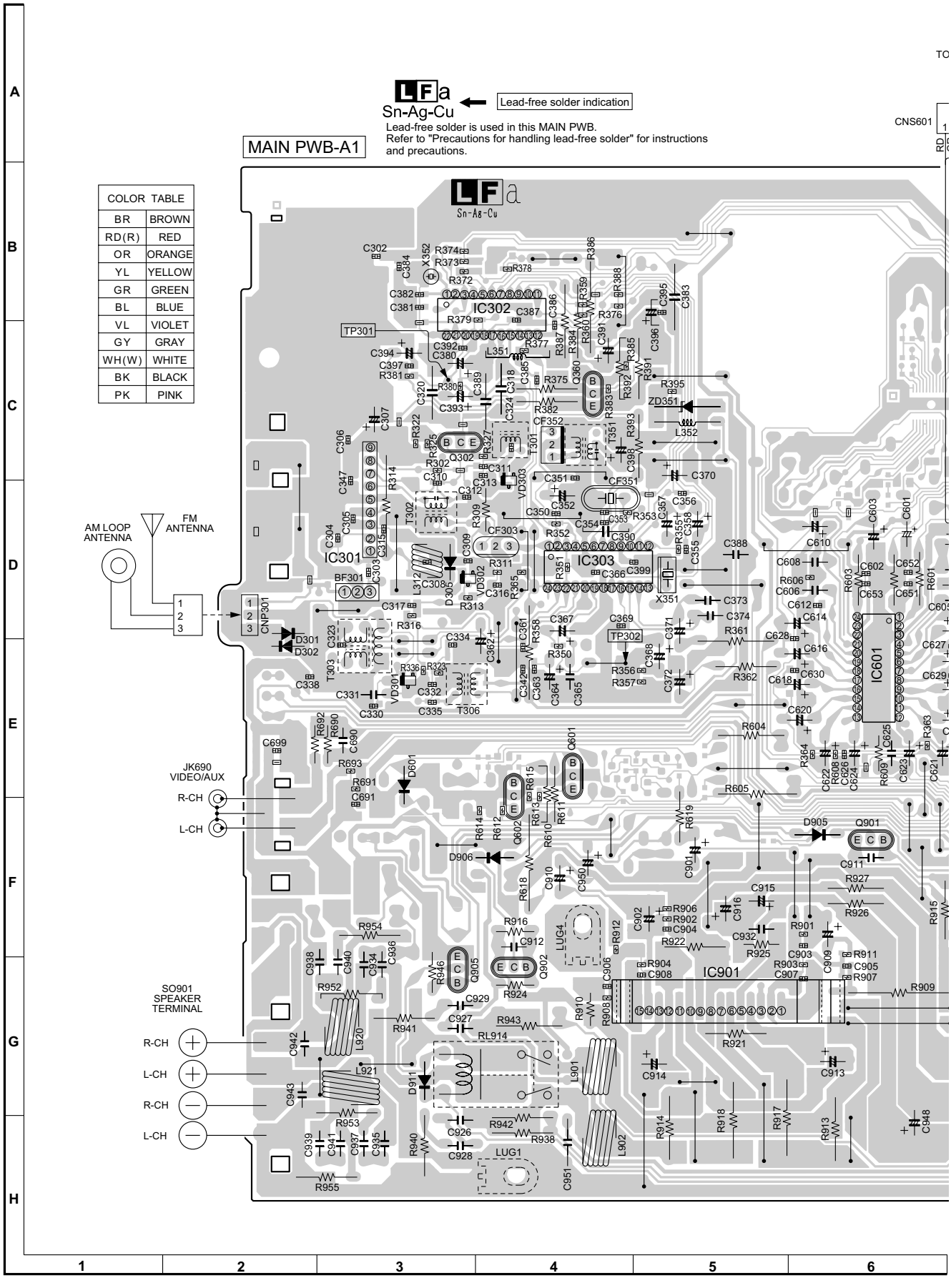
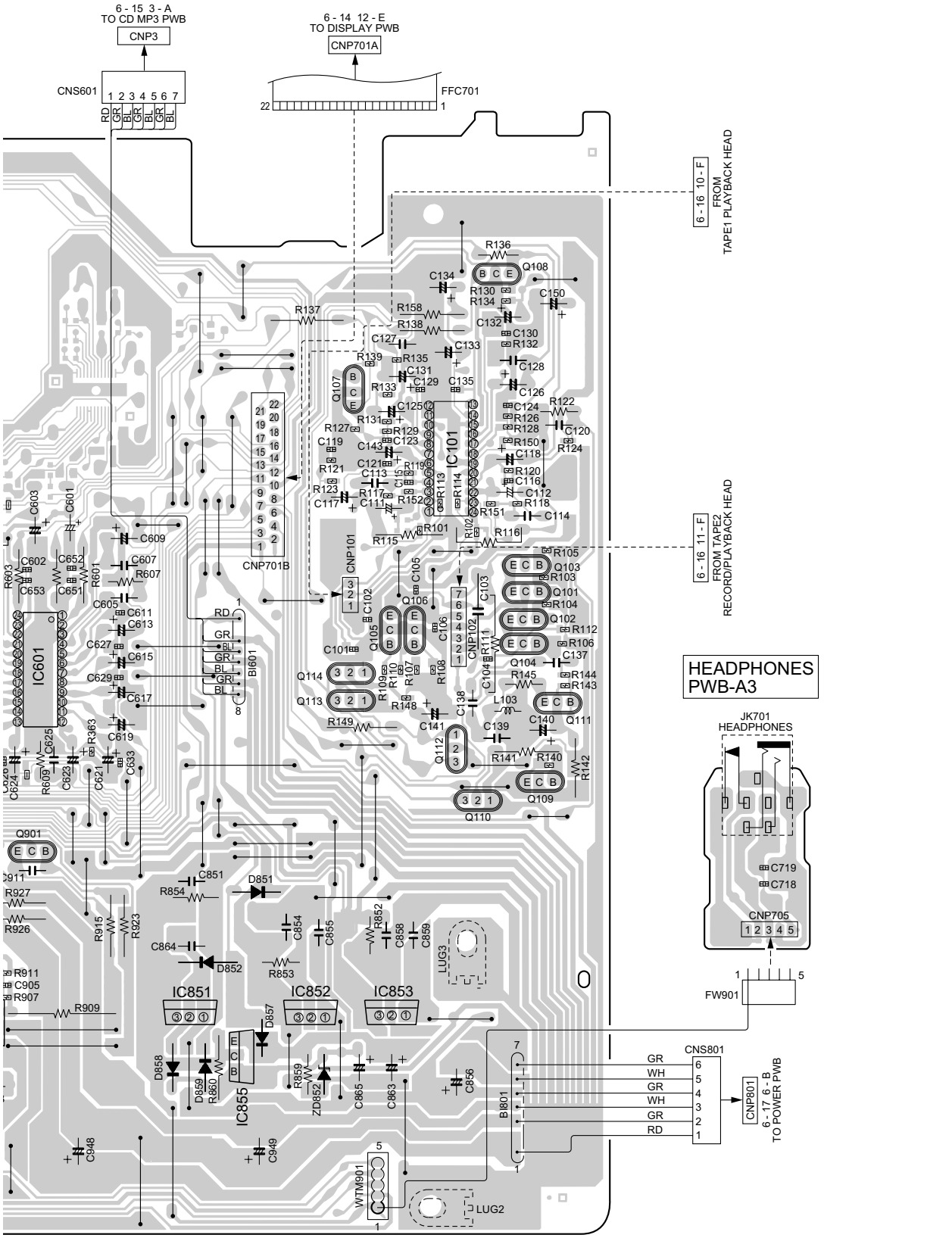


Figure 6-11 WIRING SIDE OF PWB (1/7)



7	8	9	10	11	12

Figure 6-12 WIRING SIDE OF PWB (2/7)

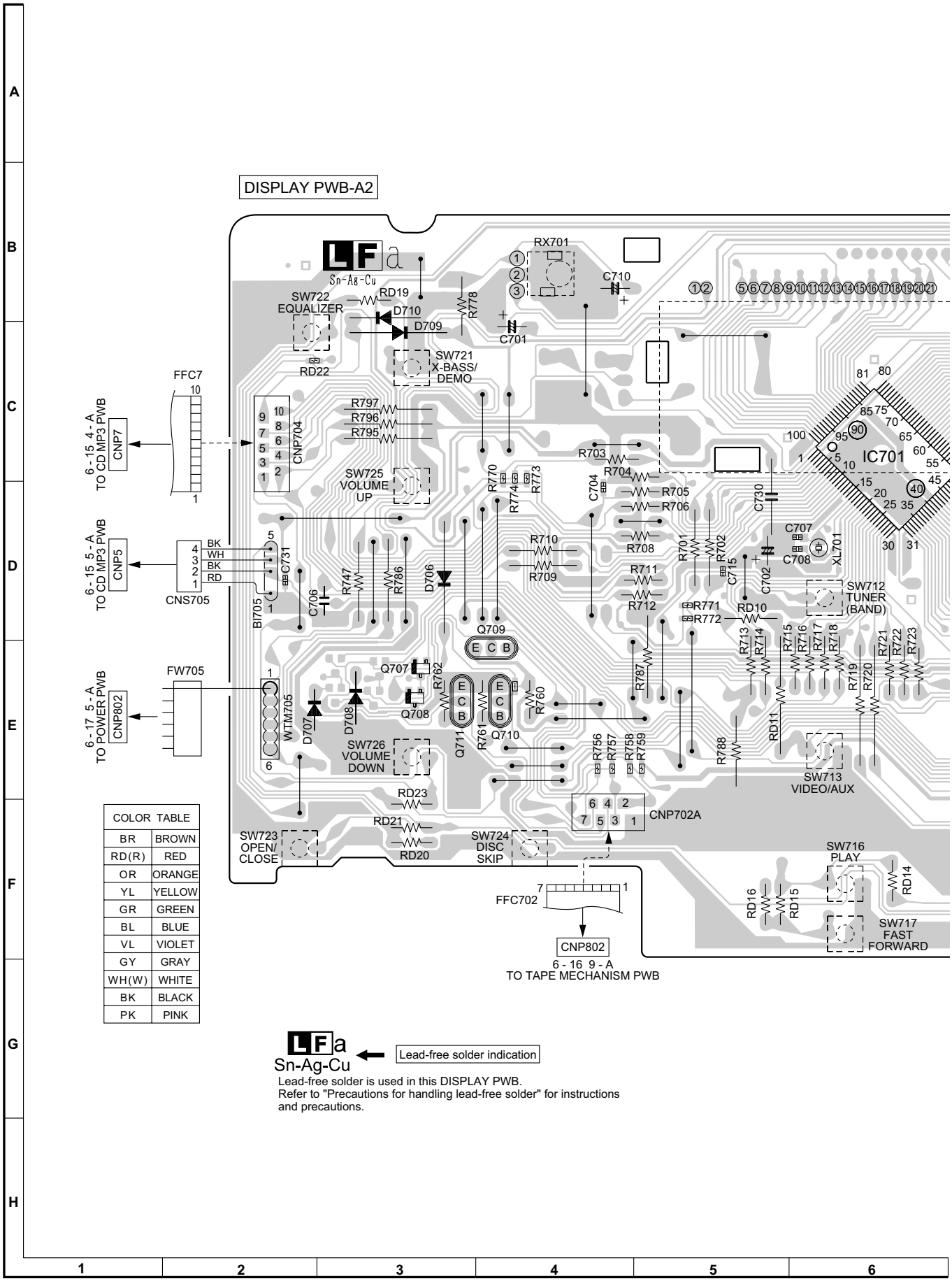
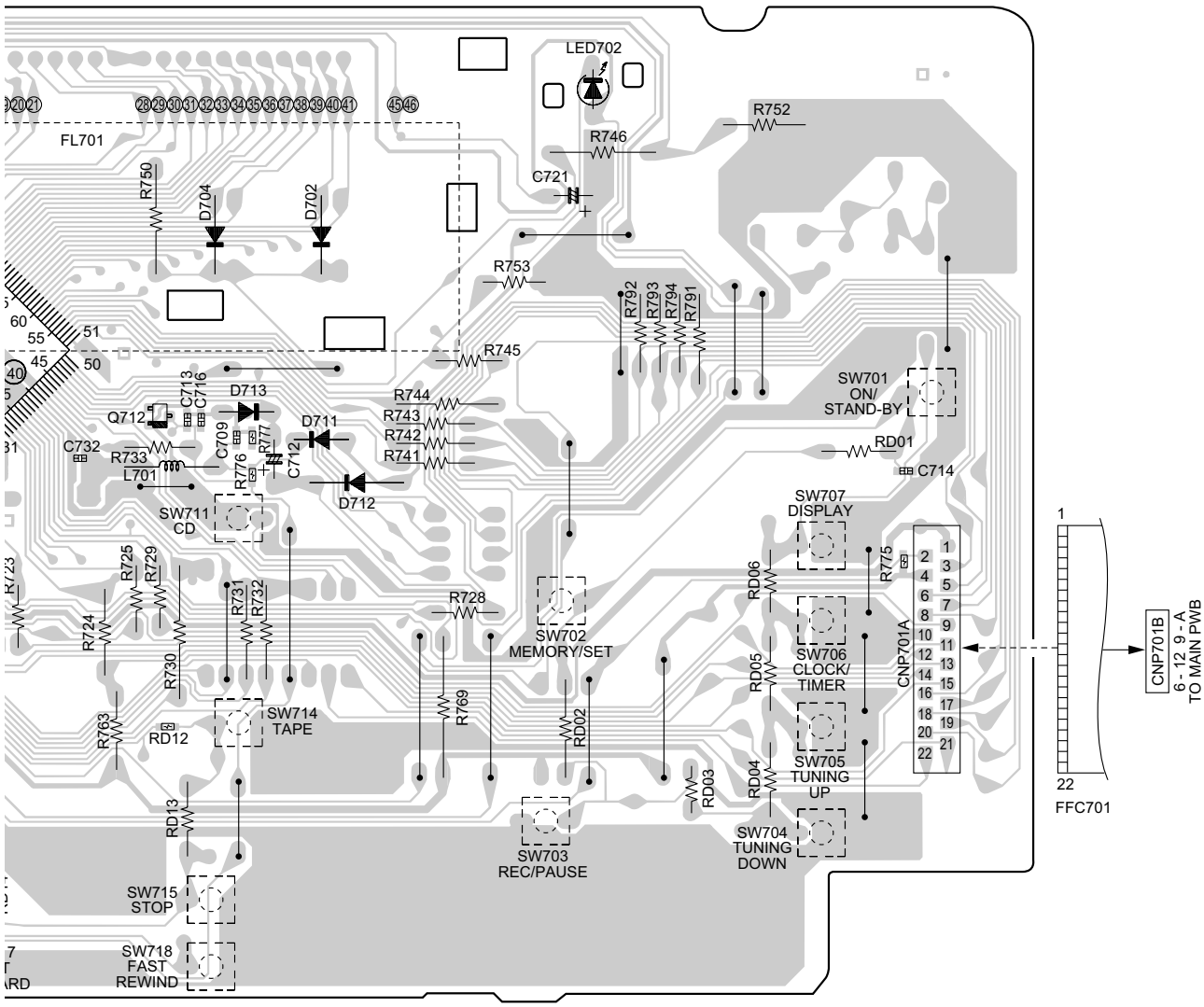
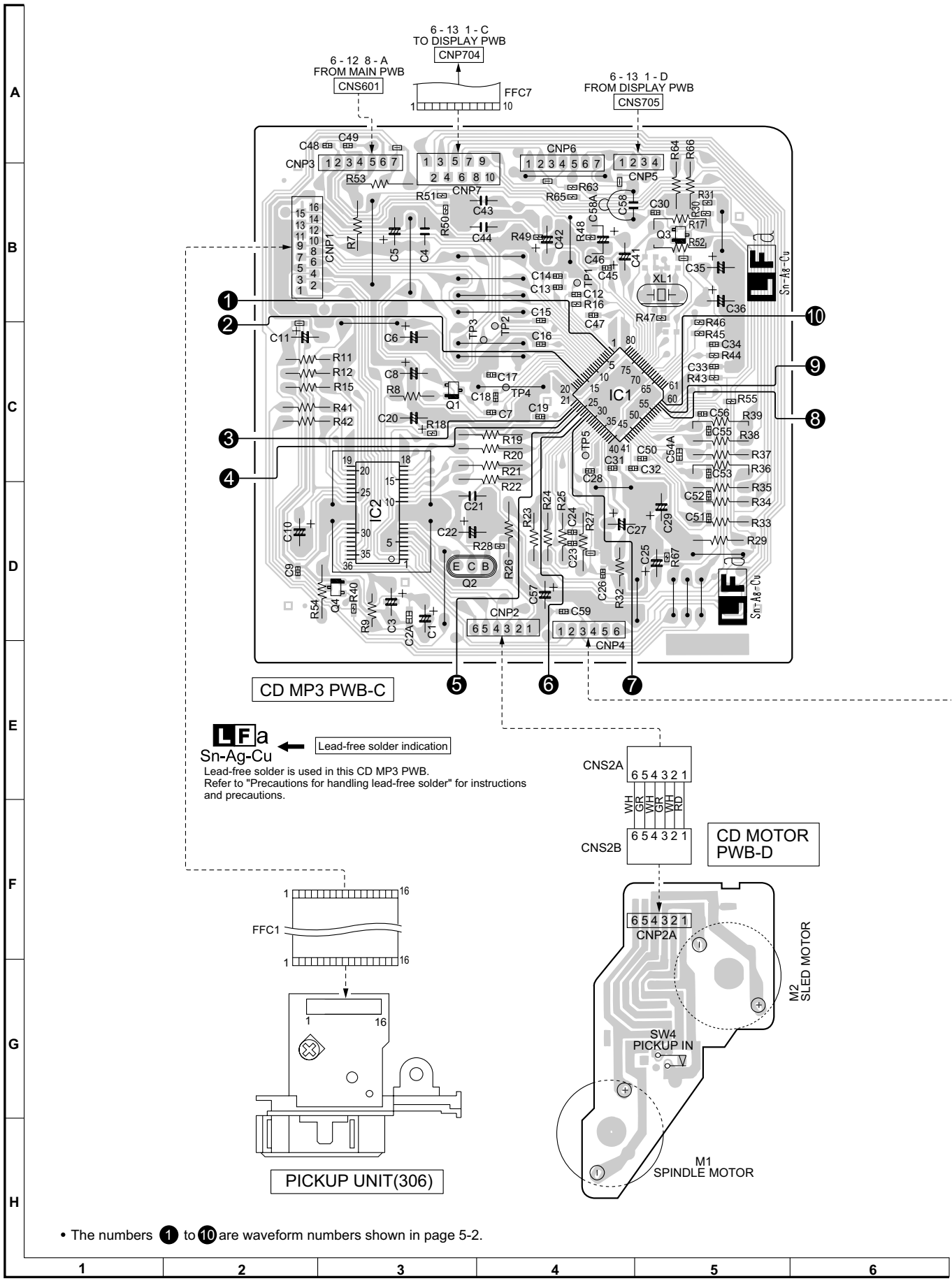


Figure 6-13 WIRING SIDE OF PWB (3/7)



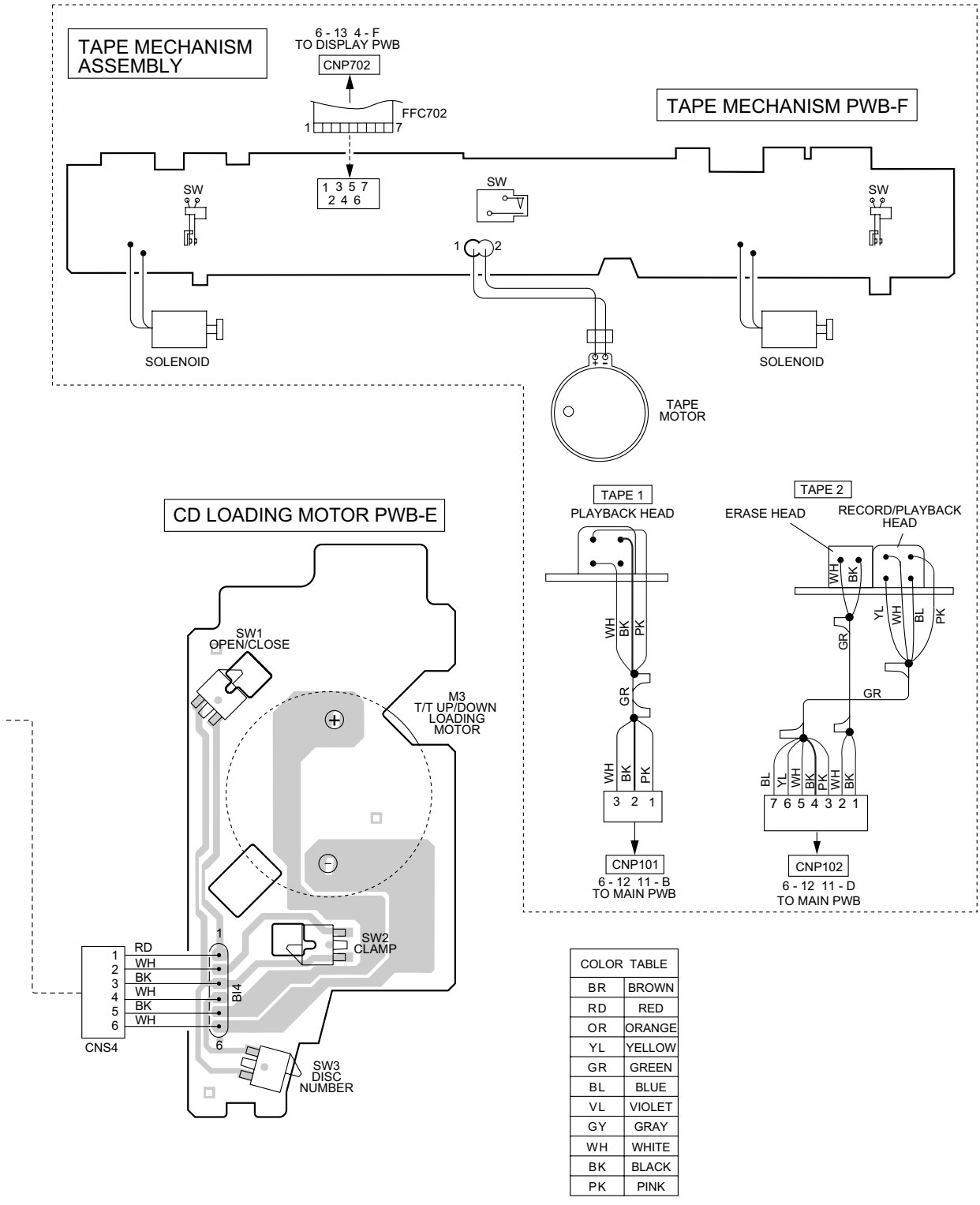
7	8	9	10	11	12

Figure 6-14 WIRING SIDE OF PWB (4/7)



• The numbers ❶ to ❿ are waveform numbers shown in page 5-2.

Figure 6-15 WIRING SIDE OF PWB (5/7)



COLOR TABLE	
BR	BROWN
RD	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH	WHITE
BK	BLACK
PK	PINK

7	8	9	10	11	12

Figure 6-16 WIRING SIDE OF PWB (6/7)

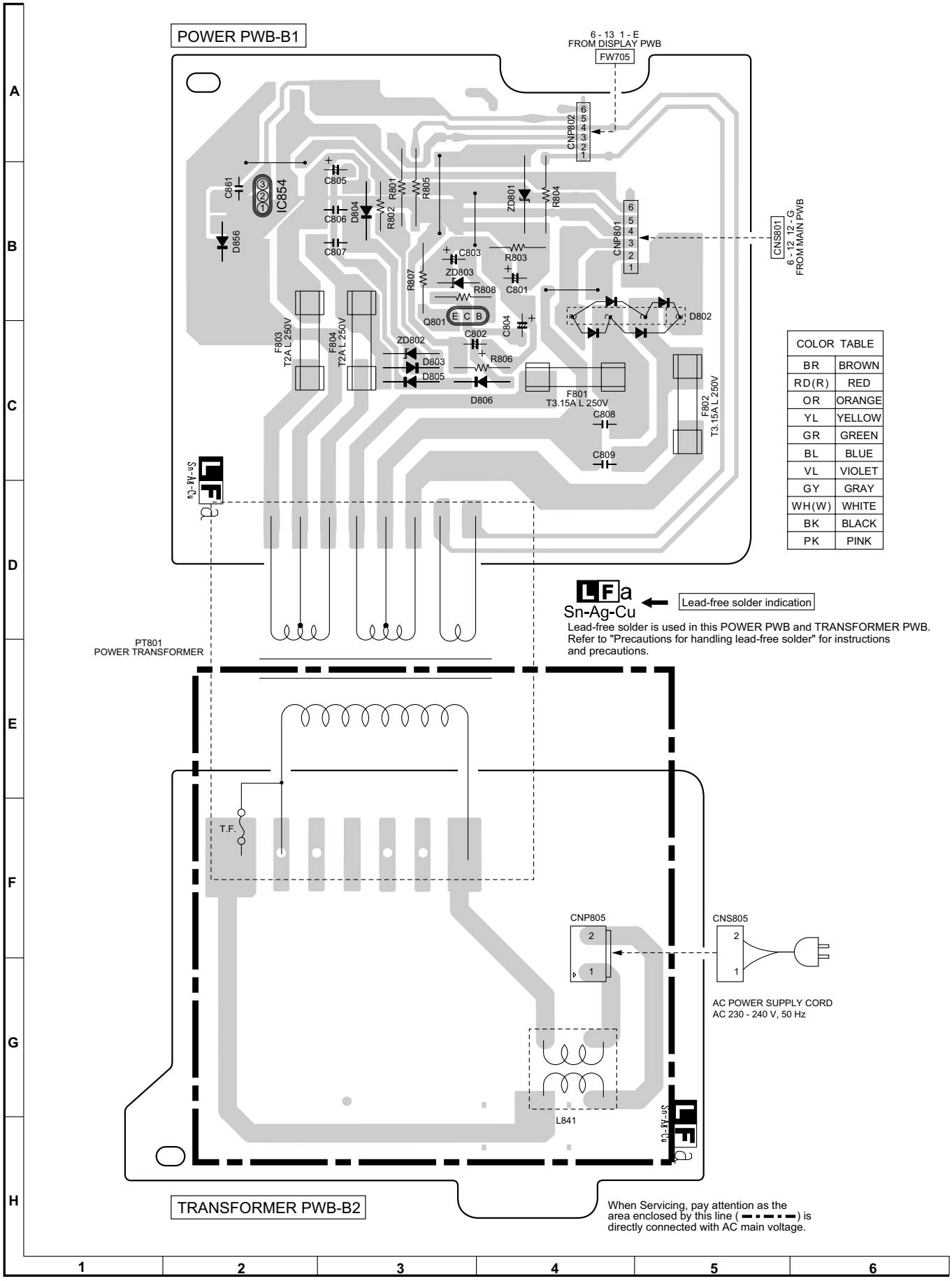


Figure 6-17 WIRING SIDE OF PWB (7/7)

CHAPTER 7. FLOWCHART

[1] Troubleshooting

1. When the CD does not function

The CD section may not operate when the objective lens of the optical pickup is dirty. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Remove the cabinet and follow the trouble shooting instructions.

“Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below.”

Turn the power off.

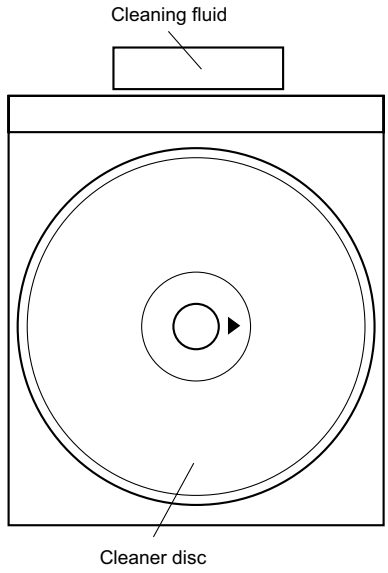
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it still play continuously, press the stop button.



CAUTION

- The CD lens cleaner should be effective for 30-50 operations, however if the brushes become worn out earlier then please replace the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD-ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.

2. When a CD cannot be played

2.1. “E-CD01” is displayed.

1) Check the power to IC1 (LC78690E), the presence of the clock signal (16.9344 MHz) and the status of the RESET terminal (pin 47 on IC1).
2) Does the pickup move to the PICKUP-IN Switch (SW4) position?

   If (1) and (2) are OK, check the system microcomputer (especially the communication line with the DSP).

2.2. Pressing the CD operation key is accepted, but playback does not occur.

1) Focus-HF system check
2) Tracking system check
3) Spin system check
4) PLL system check
5) Others

(1) Focus-HF system check.

Although a CD is inserted and the cover is closed, "NO DISC" is displayed.

Press the Tray1 CD Eject Button without inserting a disc, and try starting the playback operation.

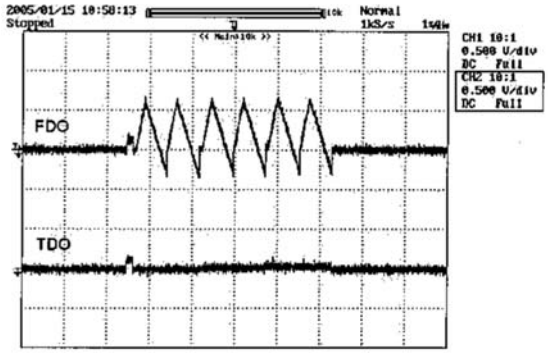


Figure 1

1. Does the pickup move to the PICKUP-IN Switch (SW4) position ?
   - No → Sled motor (M2).
   - Yes ↓

2. Does the focus (lens) move up and down ? (Waveform drawing Figure 1)
   - No → Check the focus peripheral circuit.
   - Yes ↓

3. Is the laser lit ?
   - No → Check the laser diode driver Q1 peripheral circuit.
   - Yes ↓

4. Is the turntable rotating ?
   - No → Spindle motor (M1).

When a disc is loaded, start playback operation.

1. Is focus servo activated ? (Waveform drawing Figure 2)
   - No → Pins 5~8, 14, 18 and 19 on IC1
     Check the laser diode driver Q1 peripheral circuit.
   - Yes ↓

3. Is the HF waveform normal ? (Waveform drawing Figure 3)
   - No → If the level is not normal.

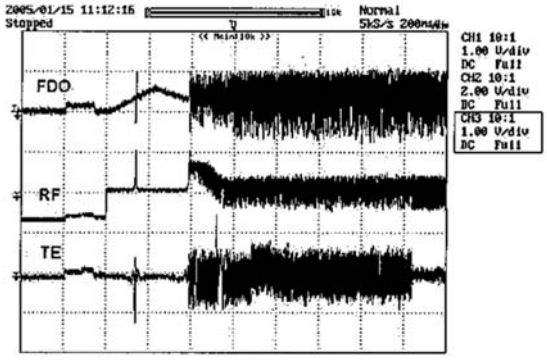


Figure 2

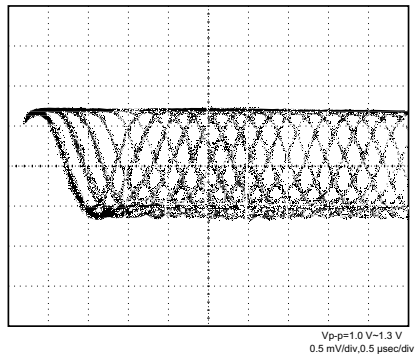


Figure 3

(2) Focus-HF system check.

Check the TE waveform at pin 17 on IC1.

If the waveform shown in Figure 4 appears and soon after NO DISC appears ? — Yes → The tracking servo is not activated. Check the peripheral circuits at pins 16, 17 and 23 on IC1, and FFC1.

↓ No

"Initialization" is possible, but play is not possible ? — Yes → A normal jump operation cannot be completed or the beginning of the track cannot be found. Check the around pin 23 on IC1.

↓ No

"Initialization" is not possible. → Data cannot be read. Check the VCO-PLL system.

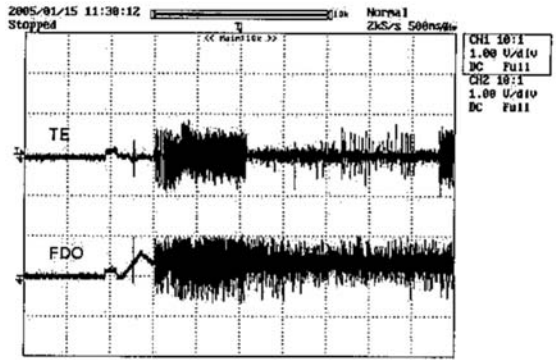


Figure 4

(3) Spin system check.

Press the OPEN/CLOSE switch without inserting a disc, and then try starting the play operation.

↓

1. The turntable rotates a little? (Waveform drawing Figure 5) — Yes → The spin driver circuit is OK.

↓ No

2. The turntable doesn't rotate. → Check around pin 25 on IC1, pins 3 and 4 on IC2, and CNS2A/ CNS2B.

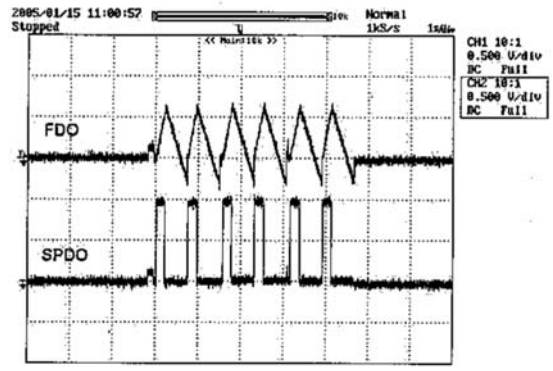


Figure 5

(4) PLL system check.

When a disc is loaded, start play operation.

↓

The HF waveform is normal, but the TOC data cannot be read.

↓

Check the PDO waveform. (Figure 6)

↓

Check around pins 1, 2, 22, 27, 28 and 80 on IC1.

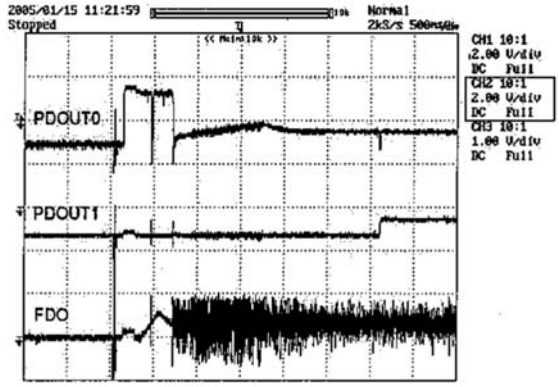


Figure 6

(5) Others.

The HF waveform is normal and the time is displayed normally, but no sound is produced. Or the sound has dropouts.

Is pin 35 (C2F) on IC1 "L" ?

No → There are too many error flags on a damaged disc which makes error correction impossible.

↓ Yes

If OK, Check the unit.

↓

Check again using a known good disc.

CHAPTER 8. OTHERS

[1] Function table of IC

IC1 VHiLC78690E-1: MP3 Decoder/Digital Signal Processor (LC78690E) (1/2)

Pin No.	Terminal Name	Input/Output	Setting In Reset	Function	
1	EFMIN	Input	INPUT	RF signal input pin.	
2	RFOUT	Output	UNSTABLE	RF signal output pin.	
3	LPF	Output	UNSTABLE	RF signal DC level detection. LPF capacitor connection pin.	
4	PHLPF	Output	UNSTABLE	LPF capacitor pin for detection problem.	
5	AIN	Input	INPUT	A signal input pin.	
6	CIN	Input	INPUT	C signal input pin.	
7	BIN	Input	INPUT	B signal input pin.	
8	DIN	Input	INPUT	D signal input pin.	
9	FEC	Output	UNSTABLE	FE signal LPF capacitor connection pin.	
10*	RFMON	Output	UNSTABLE	Built in analog signal for monitoring LSI pin.	
11	VREF	Output	AVDD/2	VREF voltage output pin.	
12	JITTC	Output	UNSTABLE	Jitter detection capacitor connection pin.	
13	EIN	Input	INPUT	E signal input pin.	
14	FIN	Input	INPUT	F signal input pin.	
15	TEC	Output	UNSTABLE	TE signal LPF capacitor connection pin.	
16	TE	Output	UNSTABLE	TE signal output pin.	
17	TEIN	Input	INPUT	TES signal generation TE signal input pin.	
18	LDD	Output	UNSTABLE	Laser power control signal output pin.	
19	LDS	Input	INPUT	Laser power control signal input pin.	
20	AVSS	—	—	Analog GND pin. This pin must always be connected to 0V.	
21	AVDD	Input	—	Analog power supply pin.	
22	FDO	Output	AVDD/2	Focus control output pin. D/A converter output.	
23	TDO	Output	AVDD/2	Tracking control output pin. D/A converter output.	
24	SLDO	Output	AVDD/2	SLED control output pin. D/A converter output	
25	SPDO	Output	AVDD/2	SPINDLE control output pin. D/A converter output.	
26	VVSS1	—	—	For use by the EFM PLL Circuit	Built-in VCO GND pin. This pin must always be connected to 0V.
27	PDOUT1	Output	UNSTABLE		Phase comparison output pin 1 to control built in VCO.
28	PDOUT0	Output	UNSTABLE		Phase comparison output pin 0 to control built in VCO.
29	PCKIST	Input	INPUT		Resistor connection pin to set current for PDOUT 0 and 1 output.
30	VVDD1	Input	—		Built-in VCO power supply pin 1.
31*	DMUTEB	Output	L	DMUTEB output pin.	
32	PUIN	Input/Output	INPUT	PUIN input pin. (built-in pull-up resistor)	
33*	DEFECT	Output	L	DEFECT signal output pin.	
34*	FSEQ	Output	L	Detected sync signal output. This signal is high when the sync signal detected from the EFM signal and the internally generated sync signal agree.	
35*	C2F	Output	L	C2 error flag monitor output pin.	
36	DVDD	Input	—	Digital power supply pin.	
37	DVSS	—	-	Digital GND pin. This pin must always be connected to 0V.	
38	DVDD1.8	Output	H	Supply voltage connect to capacitor for digital circuit.	
39	VVDD3	Input	—	Built-in VCO power supply pin 3.	
40	VVSS3	—	—	Built-in VCO GND pin 3. This pin must always be connected to 0V.	
41	DVDD	Input	—	Digital power supply pin.	
42	DVSS	—	—	Digital GND pin. This pin must always be connected to 0V.	
43	CE	Input	INPUT	Micro-Computer Interface	Chip enable signal input pin.
44	CL	Input	INPUT		Data transfer clock input pin.
45	DIN	Input	INPUT		Data input pin.
46	DO	Output	H		Data output pin. (TRI-State Output)
47	RESB	Input	—	Reset input pin for LSI. This pin must set to low briefly after power is applied.	
48	INTB0	Output	H	Interrupt signal output pin 0. (SERVO Section)	
49	INTB1	Output	H	Interrupt signal output pin 1. (DECODER Section)	
50	CONT2	Input/Output	INPUT	General Purpose I/O pin 2	Controlled by command from the microprocessor. Any of these that are unused must be either set up as input pin ports and connected to 0V, or set up as output pin ports and left open.

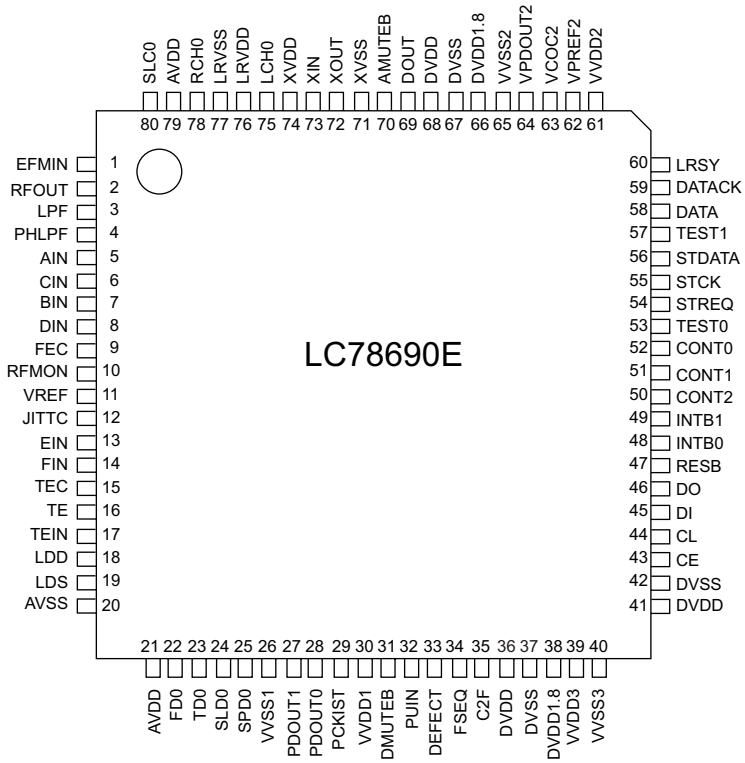
In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC1 VHiLC78690E-1: MP3 Decoder/Digital Signal Processor (LC78690E) (2/2)

Pin No.	Terminal Name	Input/Output	Setting In Reset	Function	
51	CONT1	Input/Output	INPUT	General Purpose I/O pin 1	Controlled by command from the microprocessor. Any of these that are unused must be either set up as input pin ports and connected to 0V, or set up as output pin ports and left open.
52	CONT0	Input/Output	INPUT	General Purpose I/O pin 0	
53	TEST0	Input	L	Test input pin 1. This pin must always be connected to 0V.	
54	STREQ	Input/Output	INPUT	Stream data request output pin.	
55	STCK	Input/Output	INPUT	Stream data bit clock usage input pin.	
56	STDATA	Input/Output	INPUT	Stream data input pin.	
57	TEST1	Input	L	Test input pin 0. This pin must always be connected to 0V.	
58*	DATA	Output	L	Left/Right clock output pin.	
59*	DATACK	Output	L	Bit clock output pin.	
60*	LRSY	Output	L	Left/Right channel data output pin.	
61	VVDD2	Input	—	For use by the EFM PLL Circuit	Built-in VCO power supply pin 2.
62	VPREF2	Input	INPUT		Built-in VCO control oscillator range setting input pin.
63	VCOC2	Input	INPUT		Built-in VCO control voltage setting input pin.
64	VPDOUT2	Output	UNSTABLE		Built-in VCO control output pin 2.
65	VVSS2	—	—		Built-in VCO GND pin. This pin must always be connected to 0V.
66	DVDD1.8	Output	H	Supply voltage connect to condenser for digital circuit.	
67	DVSS	—	—	Digital GND pin. This pin must always be connected to 0V.	
68	DVDD	Input	—	Digital power supply pin.	
69*	DOUT	Output	L	Digital output pin. EIAJ format	
70*	AMUTEB	Output	L	AMUTEB output pin.	
71	XVSS	—	—	Digital GND pin. This pin must always be connected to 0V	
72	XOUT	Output	OSCILLATING	Crystal oscillator	Connections for a 16.9344 MHZ oscillator element.
73	XIN	Input	OSCILLATING		
74	XVDD	Input	—	Digital power supply pin.	
75	LCHO	Output	LRVDD/2	D/A converter	Left channel output supply pin.
76	LRVDD	Input	—		LR channel power supply pin.
77	LRVSS	—	—		LR channel GND pin. This pin must always be connected to 0V.
78	RCHO	Output	LRVDD/2		Right channel input supply pin.
79	AVDD	Input	—	Analog power supply pin.	
80	SLCO	Output	UNSTABLE	Slice level control output pin.	

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC1 VHiLC78690E-1: MP3 Decoder/Digital Signal Processor (LC78690E)



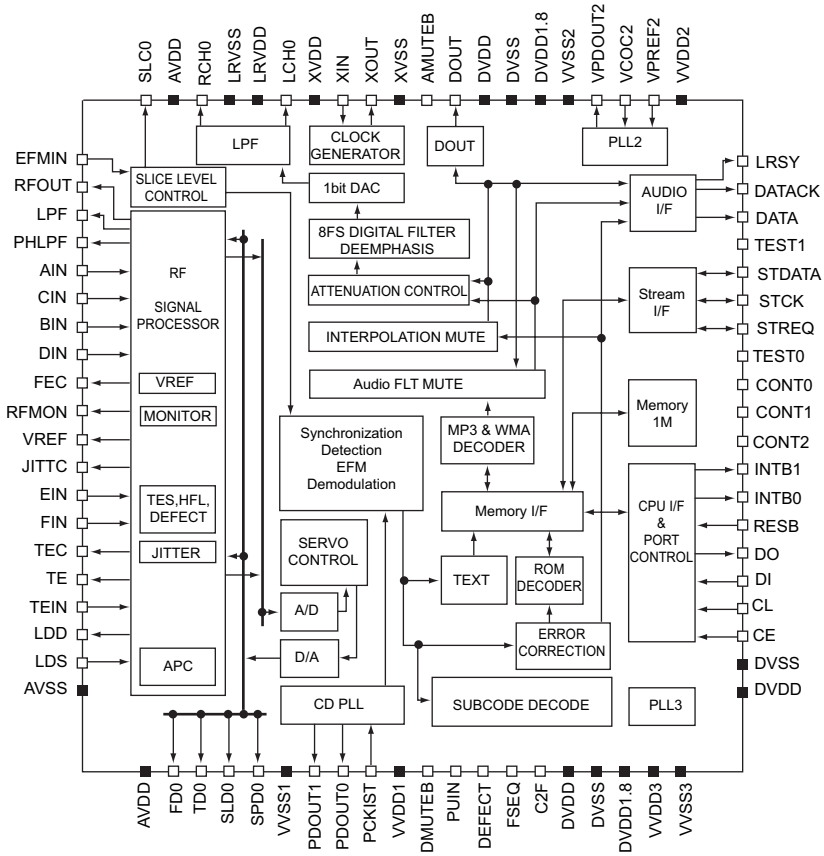


Figure 8-3 BLOCK DIAGRAM OF IC

IC2 VHILA6261//-1: Focus/Tracking/Spin/Sled Driver (LA6261)

Pin No.	Terminal Name	Function
1	VO3+	BTL Output pin (+) for channel 3.
2	VO3-	BTL Output pin (-) for channel 3.
3	VO2+	BTL Output pin (+) for channel 2.
4	VO2-	BTL Output pin (-) for channel 2.
5	VO1+	BTL Output pin (+) for channel 1.
6	VO1-	BTL Output pin (-) for channel 1.
7	PGND1	Power GND for channels 1,2,3 and 4 (BTL).
8	REGIN	Regulator pin (External PNP base).
9	PVCC1	Power for channels 1,2,3 and 4 (BTL). (SVCC short-circuited)
10	REGOUT	Regulator pin (External PNP collector).
11	VIN1	Input pin for channel 1
12*	VIN1G	Input pin for channel 1 (for gain control)
13	VIN2	Input pin for channel 2
14*	VIN2G	Input pin for channel 2 (for gain control)
15	VIN3	Input pin for channel 3
16*	VIN3G	Input pin for channel 3 (for gain control)
17	VIN4	Input pin for channel 4
18*	VIN4G	Input pin for channel 4 (for gain control)
19*	FWD5	CH5 Output change pin (FWD). Logic input for bridge.
20*	REV5	CH5 Output change pin (REV). Logic input for bridge.
21*	VCONT5	Input pin for CH5 output voltage control
22	FWD6	CH6 Output change pin (FWD). Logic input for bridge.
23	REV6	CH6 Output change pin (REV). Logic input for bridge.
24	VCONT6	Input pin for CH5 output voltage control.
25	VREFIN	Reference voltage input pin.
26	SGND	Signal system GND
27	SVCC	Signal system power (PVCC1 short - circuited)
28	PVCC2	Power for channel 5 and 6 (H bridge).
29	MUTE	Input pin for BTL mute.
30	PGND2	Power GND for channels 5 and 6 (H bridge).
31	VO6+	H bridge Output pin (+) for channel 6.
32	VO6-	H bridge Output pin (-) for channel 6.
33*	VO5+	H bridge Output pin (+) for channel 5.
34*	VO5-	H bridge Output pin (-) for channel 5.
35	VO4+	BTL Output pin (+) for channel 4.
36	VO4-	BTL Output pin (-) for channel 4.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

* Set power system GND to the minimum potential together with SGND

* Short-circuit three pins of power system SVSS and PVCC1 externally before use.

IC2 VHILA6261//-1: Focus/Tracking/Spin/Sled Driver (LA6261)

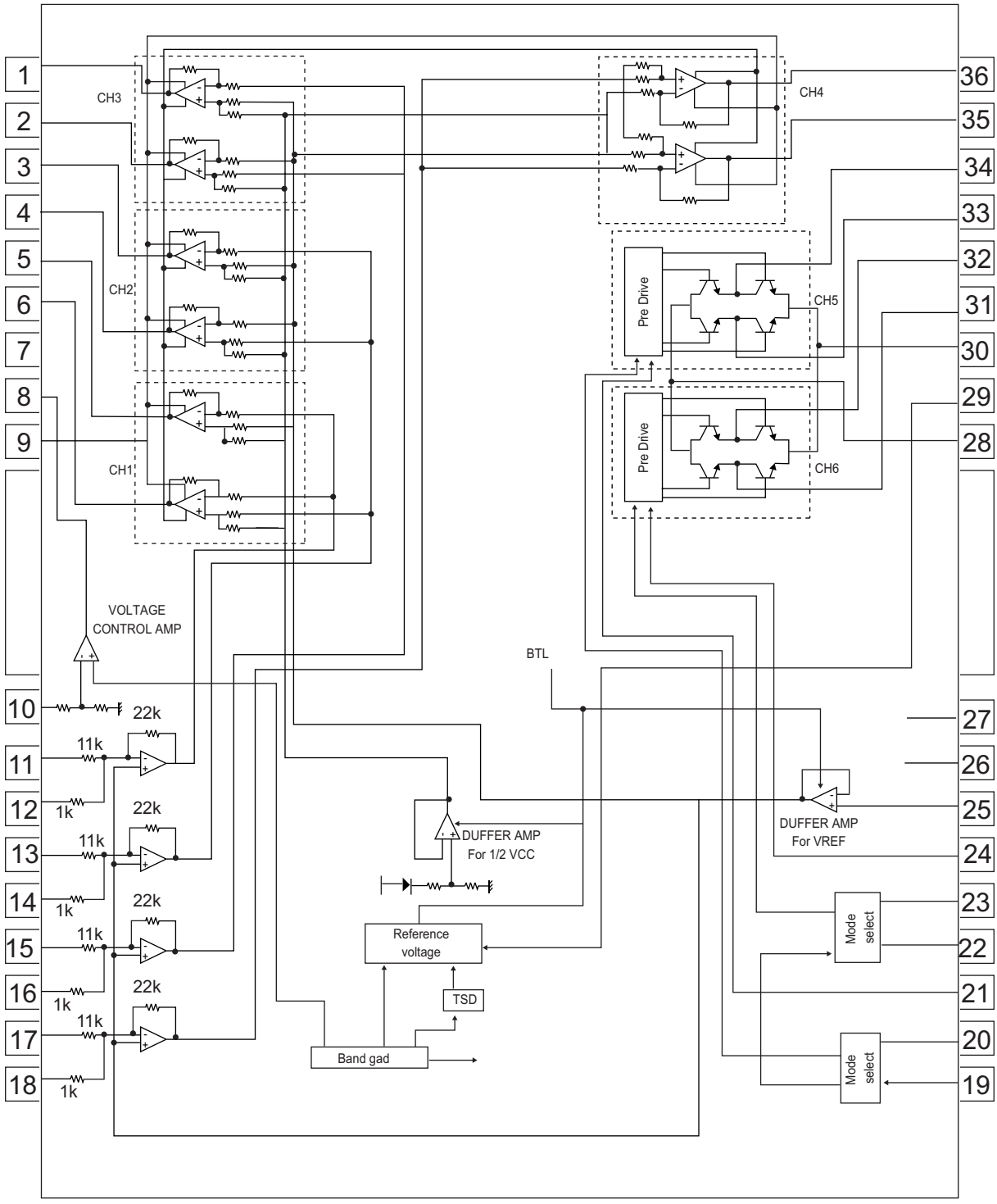


Figure 8-5 BLOCK DIAGRAM OF IC

IC601 VHiLC75341/-1: Audio processor (LC75341)

Pin No.	Terminal Name	Function
1	DI	Serial data and clock input pin for control.
2	CE	Chip enable pin. Data written into an internal latch in a timing of “H” to “L”. Each analog switch is activated. Data transfer enabled at “H” level.
3	VSS	Ground pin.
4	LOUT	Bass band filter comprising capacitor and resistor connection pin and bass/treble output pin.
5	LBASS	Bass band filter comprising capacitor and resistor connection pin.
6	LTRE	Treble band filter comprising capacitor and resistor connection pin.
7	LIN	Volume + equalizer output pin.
8	LSEL0	Input selector output pin.
9-12	L4-1	Input signal pin.
13-16	R1-4	Input signal pin.
17	RSEL0	Input selector output pin.
18	RIN	Volume + equalizer output pin
19	RTRE	Treble band filter comprising capacitor and resistor connection pin.
20	RBASS	Bass band filter comprising capacitor and resistor connection pin.
21	ROUT	Bass band filter comprising capacitor and resistor connection pin and bass/treble output pin.
22	VREF	0.5x VDD voltage generation block for analog ground. Capacitor of several 10µF to be connected between VREF and AWSS (VSS) as a countermeasure against power ripple.
23	VDD	Supply pin
24	CLK	Serial data and clock input pin for control.

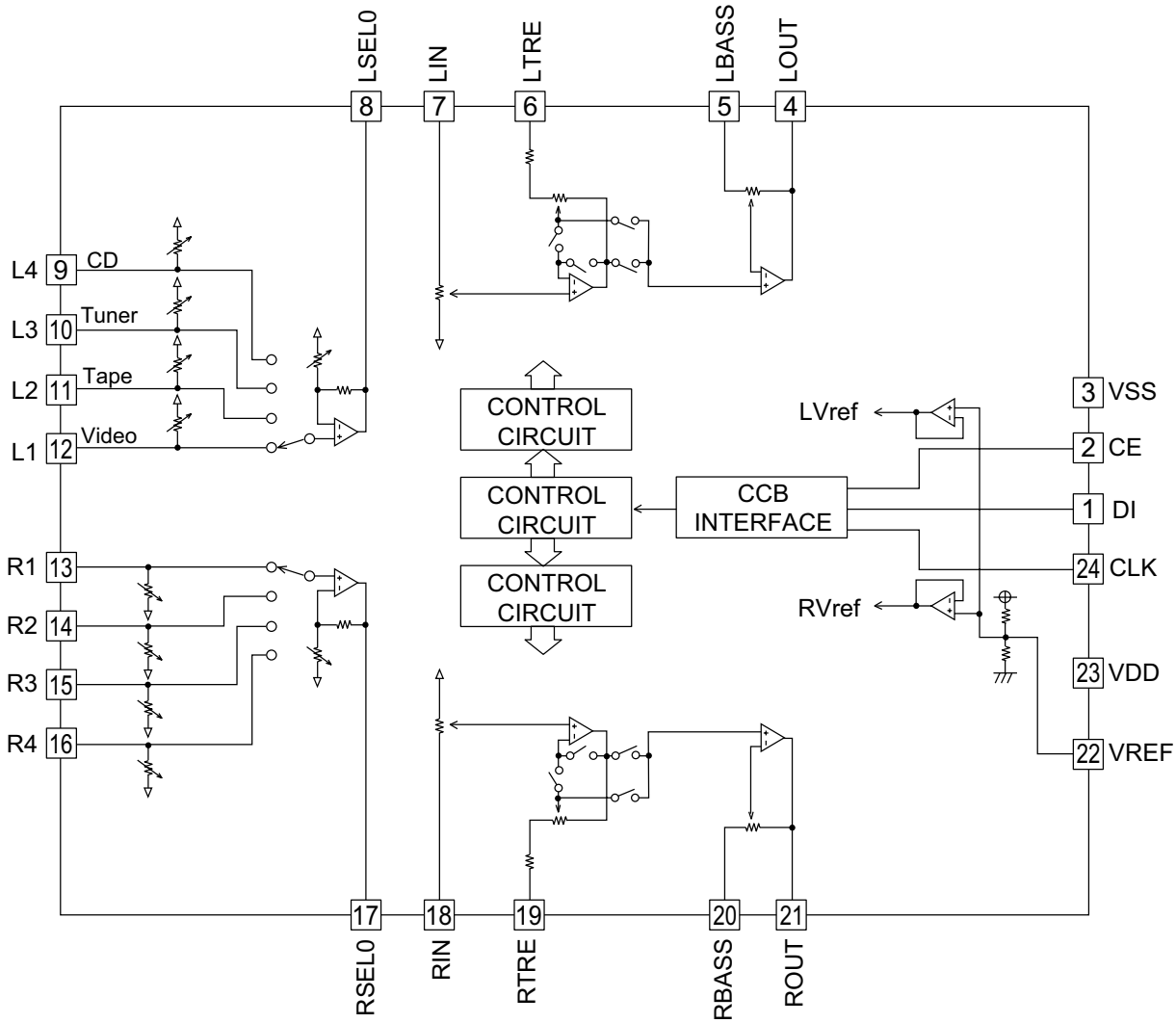


Figure 8-6 BLOCK DIAGRAM OF IC

IC701 RH-iXA057AWZZ: System Microcomputer (IXA057AW) (1/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
1	AVDD	AVDD	Input	A/D analog power supply.
2	P10/ANI0	KEY0	Input	KEY0 input.
3	P11/ANI1	KEY1	Input	KEY1 input.
4	P12/AN2	KEY2	Input	KEY2 input.
5	P13/ANI3	VOL_JOG	Input	Volume jog input.
6	P14/ANI4	PROTECT	Input	Power abnormal detect.
7	P15/ANI5	T_FP SW	Input	Tape Fool Proof A & B SW.
8	P16/ANI6	TUN_SM	Input	Tuner signal meter input.
9	P17/ANI7	T_RUN PULS	Input	Tape 1 & 2 run pulse input.
10	P00/ANI8	CLAMP SW	Input	Changer Clamp SW.
11	P01/ANI9	O/C SW	Input	Changer Open/Close SW.
12	P02/ANI10	CD-INTB	Input	CD servo interruption.
13	P03/ANI11	MP3-INTB	Input	MP3 decorder interruption.
14	AVSS	AVSS	—	A/D analog GND.
15	VSS1	VSS	—	Ground.
16	X1	XIN	Input	Main clock input.
17	X2	XOUT	—	Main clock output 4.19 MHz.
18	VDD1	VDD	Input	Power supply 5 V.
19	IC (VPP)	VPP	—	Ground.
20	P20/TIO0	CD_CE	Output	CD DSP chip enable.
21	P25/SI0/RXD0	CD_DO	Input	CD DSP data input.
22	P26/SO0/TXD0	CD_DI	Output	CD DSP command.
23	P27/SCK0/ASCK0	CD_CLK	Output	CD DSP clock.
24	P67/INTP2	P-IN	Input	Power failure detect (A/C signal).
25	P66/TIO51	D.NO SW	Input	Changer Disc No. SW.
26	P65/INTP1	SP_DET	Input	SP abnormal detect. L: PROTECT
27	P64/INTP0	REMOCON	Input	Remocon decoder input.
28	P63/TIO50	CE	Output	Tuner/Volume chip enable.
29	P62/SCK1	CLK	Output	Tuner/Volume clock.
30	P60/SO1	DI	Output	Tuner/Volume command.
31	P60/SI1	DO	Input	Tuner data input.
32	P57/SCK2	CD_RESOUT	Output	CD DSP reset.
33*	P56/SO2	MOT_A+	Output	Changer Cam Motor (+).
34*	P55/SI2	MOT_A-	Output	Changer Cam Motor (-).
35	P54	TIMER LED	Output	Timer LED control. L: ON
36	P53	S_MUTE	Output	System mute control. H: MUTE ON
37	P52	T_SOL_B	Output	Tape 2 solenoid control. L: SOLENOID ON
38	P51	T_MOTOR	Output	Tape motor control. L: MOTOR ON
39	P50	T_SOL_A	Output	Tape 1 solenoid control. L: SOLENOID ON
40	VSS0	VSS	—	Ground.
41	VDD0	VDD	Input	Power supply 5 V.
42	RESET	RESET	Input	System micom reset input. L: RESET
43*	P47	ILLU_LED	Output	FL edge light control. H: LED ON
44*	P46	NS_SW2	Output	Sound Mode SW 2 control.
45*	P45	NS_SW1	Output	Sound Mode SW 1 control.
46*	P44	RDS_RST	Output	RDS Ram reset.
47*	P43	RDS_READY	Input	RDS Ready.
48*	P42	RDS_RDDA	Input	RDS data input.
49*	P41	RDS_RDCL	Output	RDS clock.
50	P40	DIST	Input	Destination input.
51	P107/FIP47	T_BIAS	Output	Tape record bias control. H: BIAS CIRCUIT ON
52	P106/FIP46	T_REC/PLAY	Output	Tape record/play control. H: PLAY, L: RECORD
53	P105/FIP45	T_T1/T2	Output	Tape T1/T2 control. H: T1, L: T2
54	P104/FIP44	-20dBATT	Output	-20dB attenuator. H: ATTENUAR ON
55	P103/FIP43	SP_RLY	Output	SP relay control. H: RELAY ON
56	P102/FIP42	AC_RLY	Output	AC relay control. H: RELAY ON
57*, 58*	P101/FIP41, P100/FIP40	NO USE	Output	Open.
59*-66*	P97/FIP39-P90/FIP32	NO USE	Output	Open.
67*	P87/FIP31	NO USE	Output	Open.
68-71	P86/FIP30-P83/FIP27	S20 (DEST1)-S17 (DEST4)	Output	FL segment driver. (Destination output.)
72-74	P82/FIP26-P80/FIP24	S16-S14	Output	FL segment driver.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC701 RH-iXA057AWZZ: System Microcomputer (IXA057AW) (2/2)

Pin No.	Port Name	Terminal Name	Input/Output	Function
75-78	P77/FIP23-P74/FIP20	S13-S10	Output	FL segment driver.
79	VDD2	VDD	Input	Power supply 5 V.
80	VLOAD	VLOAD	Input	VLOAD 35 V.
81-84	P73/FIP19-P70/FIP16	S9-S6	Output	FL segment driver.
85-89	FIP15-FIP11	S5-S1	Output	FL segment driver.
90-100	FIP10/FIP0	G11-G1	Output	FL grid driver.

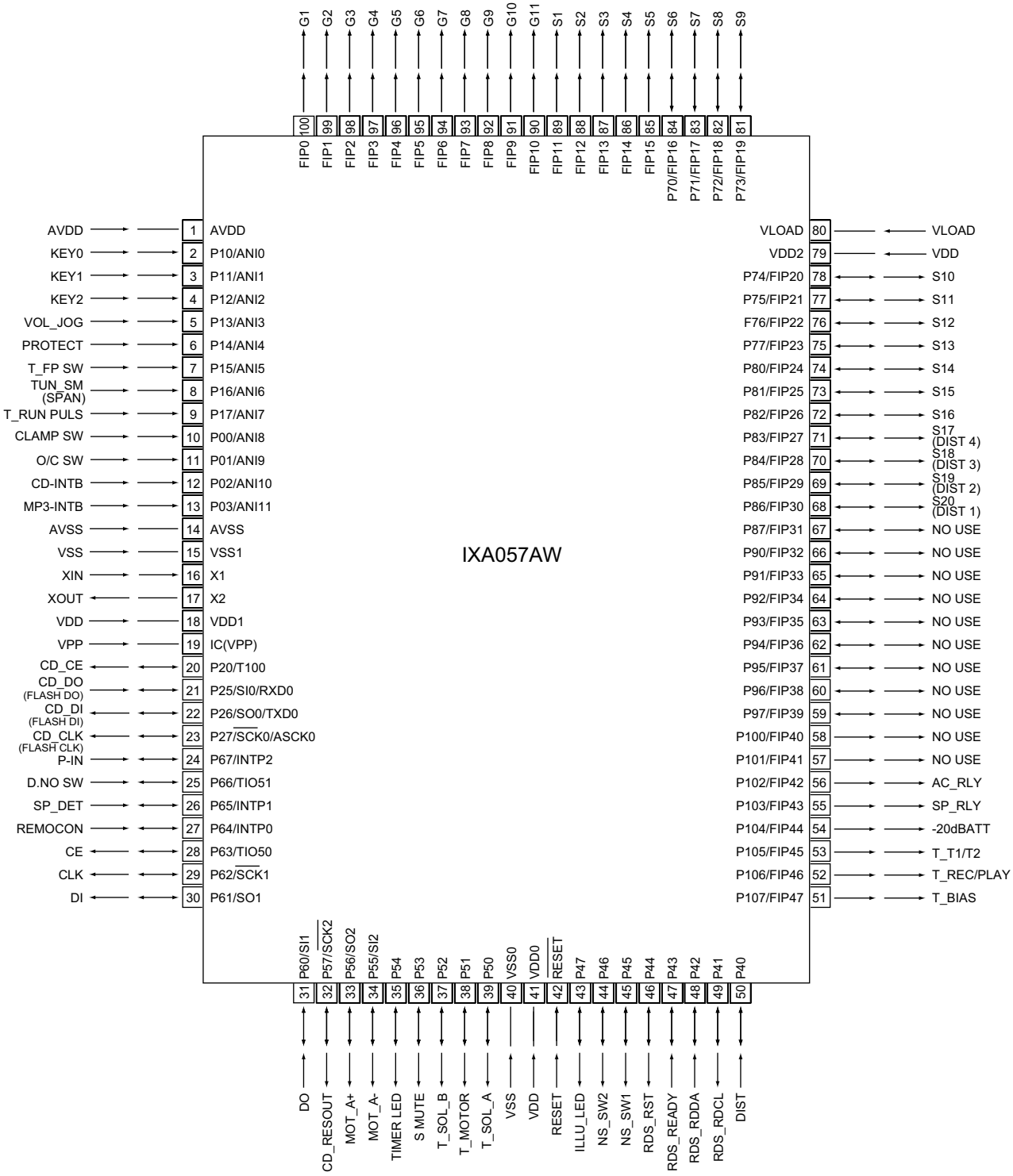
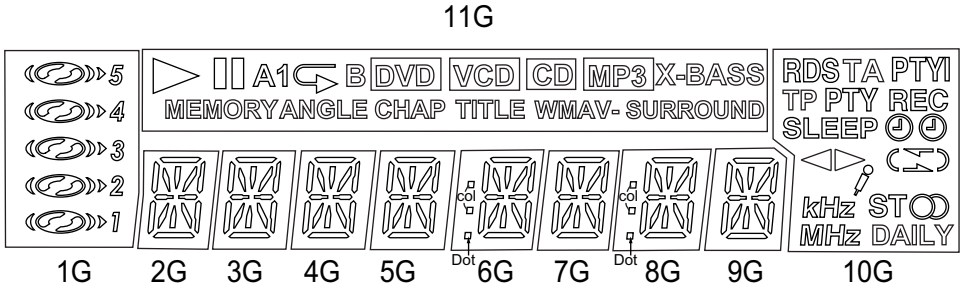


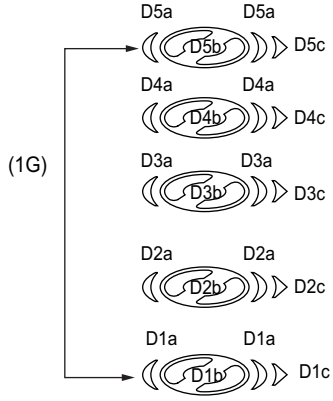
Figure 8-8 BLOCK DIAGRAM OF IC

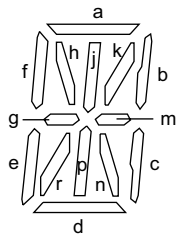
[2] FL Display

FL701 VVKNA11SS55-1

GRID ASSIGNMENT







(2G~9G)

ANODE CONNECTION

	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	11G
P1	5					col		col		PTYI	DVD
P2	D5-a	a	a	a	a	a	a	a	a	(L)	VCD
P3	D5-b	b	b	b	b	b	b	b	b	TA	CD
P4	D5-c	k	k	k	k	k	k	k	k	TP	X-BASS
P5	4	j	j	j	j	j	j	j	j	RDS	MP3
P6	D4-a	h	h	h	h	h	h	h	h	RES	WMA
P7	D4-b	f	f	f	f	f	f	f	f	▷	V-
P8	D4-c	m	m	m	m	m	m	m	m	◁	SURROUND
P9	3	d	d	d	d	d	d	d	d	DAILY	TITLE
P10	D3-a	g	g	g	g	g	g	g	g	PTY	CHAP
P11	D3-b	p	p	p	p	p	p	p	p	)	ANGLE
P12	D3-c	e	e	e	e	e	e	e	e	(	↺
P13	2	n	n	n	n	n	n	n	n	MHz	A
P14	D2-a	r	r	r	r	r	r	r	r	↯	B
P15	D2-b	c	c	c	c	c	c	c	c	kHz	1
P16	D2-c					Dot		Dot		∞	MEMORY
P17	1									ST	
P18	D1-a									♪	
P19	D1-b									(R)	▷
P 20	D1-c									SLEEP	II

OUTER DIMENSIONS

PIN CONNECTION

PIN NO.	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27-22	21
CONNECTION	F2	F2	NP	NP	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	NX	P6

PIN NO.	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	P5	P4	P3	P2	P1	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NP	NP	F1	F1

– **M E M O** –

SHARP PARTS GUIDE

MINI COMPONENT SYSTEM

MODEL CD-MPX100E

CD-MPX100E Mini Component System consisting of CD-MPX100E (main unit) and CP-MPX100H (speaker system).

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[1] INTEGRATED CIRCUITS

[2] TRANSISTORS

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[8] VIBRATORS

[9] CAPACITORS

[10] RESISTORS

[11] OTHER CIRCUITRY PARTS

[12] CD MECHANISM PARTS

[13] CABINET PARTS 1

[14] CABINET PARTS 2

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[16] ACCESSORIES/PACKING PARTS

[17] P.W.B. ASSEMBLY (Not Replacement Item)

[18] OTHER SERVICE PART

■ INDEX

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

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The contents are subject to change without notice.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[1] INTEGRATED CIRCUITS					
iC1	VHiLC78690E-1	BE			MP3 Decoder/Digital Signal Processor,LC78690E
iC2	VHiLA6261//-1	AN			Focus/Tracking/Spin/Sled Driver,LA6261
iC101	VHiAN7345K/-1	AM			Playback and Record/Playback Amp.,AN7345K
iC301	VHiTA7358AP-1	AG			FM Front End,TA7358AP
iC302	VHiLC72131/-1	AP			PLL (Tuner),LC72131
iC303	VHiLA1832S/-1	AN			FM IF Det./FM Mpx./AM IF,LA1832S
iC601	VHiLC75341/-1	AM			Audio Processor,LC75341
iC701	RH-iXA057AWZZ	AY			System Microcomputer,IXA057AW
iC851	VHiKiA7812AP1	AF			Voltage Regulator,KIA7812AP
iC852	VHiKiA7810AP1	AF			Voltage Regulator,KIA7810AP
iC853	VHiKiA7805AP1	AF			Voltage Regulator,KIA7805AP
iC854	VHiKiA78L05-1	AF			Voltage Regulator,KIA78L05
iC855	VSKTC2026//-1	AF			Silicon,NPN,KTC2026
iC901	VHiSTK43205-1	AT			Power Amp.,STK43205
[2] TRANSISTORS					
Q1	VSKTA1504Y/-1	AB			Silicon,PNP,KTA1504 Y
Q2	VSKTA1271Y/-1	AC			Silicon,PNP,KTA1271 Y
Q3	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q4	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q101	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q102	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q103	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q104	VSKTC3200GR-1	AC			Silicon,NPN,KTC3200 GR
Q105	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q106	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q107	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q108	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q109	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
Q110	VSKRC104M//-1	AC			Digital,NPN,KRC104 M
Q111	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q112	VSKRA102M//-1	AC			Digital,PNP,KRA102 M
Q113	VSKRC104M//-1	AC			Digital,NPN,KRC104 M
Q114	VSKRC104M//-1	AC			Digital,NPN,KRC104 M
Q302	VSKTC3194Y/-1	AD			Silicon,NPN,KTC3194 Y
Q360	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
Q601	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q602	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q707	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q708	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q709	VSKTA1273Y/-1	AE			Silicon,PNP,KTA1273 Y
Q710	VSKTA1273Y/-1	AE			Silicon,PNP,KTA1273 Y
Q711	VSKTA1273Y/-1	AE			Silicon,PNP,KTA1273 Y
Q712	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
Q801	VSKTA1274Y/-1	AE			Silicon,PNP,KTA1274 Y
Q901	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q902	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
Q905	VSKTC3199GR-1	AB			Silicon,NPN,KTC3199 GR
[3] DIODES					
D301	VHD1N4148H/-1	AA			Silicon,1N4148H
D302	VHD1N4148H/-1	AA			Silicon,1N4148H
D305	VHD1N4148H/-1	AA			Silicon,1N4148H
D601	VHD1N4148H/-1	AA			Silicon,1N4148H
D702	VHD1N4148H/-1	AA			Silicon,1N4148H
D704	VHD1N4148H/-1	AA			Silicon,1N4148H
D706	VHD1N4148H/-1	AA			Silicon,1N4148H
D707	VHD1N4148H/-1	AA			Silicon,1N4148H
D708	VHD1N4148H/-1	AA			Silicon,1N4148H
D709	VHD1N4148H/-1	AA			Silicon,1N4148H
D710	VHD1N4148H/-1	AA			Silicon,1N4148H
D711	VHD1N4148H/-1	AA			Silicon,1N4148H
D712	VHD1N4148H/-1	AA			Silicon,1N4148H
D713	VHD1N4148H/-1	AA			Silicon,1N4148H
D802	VHDD3SBA60F-1	AG			Silicon,D3SBA60F
D803	VHDDS1N404S-1	AB			Silicon,DS1N404S
D804	VHDDS1N404S-1	AB			Silicon,DS1N404S
D805	VHDDS1N404S-1	AB			Silicon,DS1N404S
D806	VHDDS1N404S-1	AB			Silicon,DS1N404S
D851	VHD1N4148H/-1	AA			Silicon,1N4148H
D852	VHD1N4148H/-1	AA			Silicon,1N4148H
D856	VHD1N4148H/-1	AA			Silicon,1N4148H
D857	VHD1N4148H/-1	AA			Silicon,1N4148H
D858	VHD1N4148H/-1	AA			Silicon,1N4148H
D859	VHD1N4148H/-1	AA			Silicon,1N4148H
D905	VHD1N4148H/-1	AA			Silicon,1N4148H
D906	VHD1N4148H/-1	AA			Silicon,1N4148H
D911	VHD1N4148H/-1	AA			Silicon,1N4148H
LED702	VHPSLR342VCJ1	AC			LED,Red,SLR342VCJ
ZD351	VHEDZ5R1BSB-1	AC			Zener,5.1V,DZ5.1BSB
ZD801	VHEDZ6R2BSA-1	AB			Zener,6.2V,DZ6.2BSA
ZD802	VHEDZ6R8BSA-1	AC			Zener,6.8V,DZ6.8BSA
ZD803	VHEDZ300BSB-1	AB			Zener,30V,DZ30BSB
ZD852	VHEDZ8R2BSB-1	AB			Zener,8.2V,DZ8.2BSB

	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[4] FILTERS					
	BF301	RFiLR0008AWZZ	AE			Band Pass Filter
	CF303	RFiLF0124AFZZ	AD			FM IF,10.7 MHz
	CF351	RFiLF0003AWZZ	AK			FM IF
	CF352	RFiLA0009AWZZ	AE			AM IF
	[5] TRANSFORMERS					
⚠	PT801	RTRNP0476AWZZ	AY			Power
	T301	RCiLBA001AWZZ	AC			FM OSC.
	T302	RCiLi0017AWZZ	AB			FM IF
	T303	RCiLA0052AWZZ	AE			AM Antenna
	T306	RCiLB0067AWZZ	AD			AM OSC.
	T351	RCiLi0019AWZZ	AD			AM IF
	[6] COILS					
	L103	VP-MK331K0000	AB			330 μH,Choke
	L312	RCiLR0056AWZZ	AB			FM RF
	L351	VP-DH101K0000	AB			100 μH,Choke
	L352	VP-DH101K0000	AB			100 μH,Choke
	L701	VP-DH101K0000	AB			100 μH,Choke
⚠	L841	RCiLZA016AWZZ	AF			AC Line Filter
	L901	RCiLZ0137AFZZ	AA			0.29 μH
	L902	RCiLZ0137AFZZ	AA			0.29 μH
	L920	RCiLZA017AWZZ	AB			0.29 μH
	L921	RCiLZA017AWZZ	AB			0.29 μH
	[7] VARIABLE CAPACITORS					
	VD301	VHCSVC347S/-1	AG			Variable Capacitance,SVC347S
	VD302	VHCSVC230C/-1	AD			Silicon,Variable Capacitance,SVC230C
	VD303	VHCSVC230C/-1	AD			Silicon,Variable Capacitance,SVC230C
	[8] VIBRATORS					
	X351	92LCRSTL1425A	AF			Crystal,456 kHz
	X352	RCRSP0019AWZZ	AF			Crystal,4.5 MHz
	XL1	RCRM-0047AWZZ	AE			Crystal,16.9344 MHz
	XL701	RCRSP0029AWZZ	AF			Crystal,4.19 MHz
	[9] CAPACITORS					
	C1	VCEAZA1AW107M	AB			100 μF,10V,Electrolytic
	C2A	VCKYTV1HB102K	AA			0.001 μF,50V
	C3	VCEAZA1AW107M	AB			100 μF,10V,Electrolytic
	C4	VCKYPA1HF103Z	AB			0.01 μF,50V
	C5	VCEAZA1EW476M	AB			47 μF,25V,Electrolytic
	C6	RC-EZ0004AWZZ	AD			3.3 μF,16V,Electrolytic
	C7	VCKYCY1HB102K	AA			0.001 μF,50V
	C8	VCEAZA1AW476M	AB			47 μF,10V,Electrolytic
	C9	VCKYCY1HB103K	AA			0.01 μF,50V
	C10	VCEAZA0JW108M	AC			1000 μF,6.3V,Electrolytic
	C11	VCEAZA1AW107M	AB			100 μF,10V,Electrolytic
	C12	VCKYCY1HB472K	AA			0.0047 μF,50V
	C13	VCKYCY1HB103K	AA			0.01 μF,50V
	C14	VCKYCY1EF473Z	AB			0.047 μF,25V
	C15	VCKYCY1CB563K	AB			0.056 μF,16V
	C16	VCKYCY1HB103K	AA			0.01 μF,50V
	C17	VCKYCY1CB563K	AB			0.056 μF,16V
	C18	VCKYCY1HB103K	AA			0.01 μF,50V
	C19	VCKYCY1CB104K	AB			0.1 μF,16V
	C20	VCEAZA1AW107M	AB			100 μF,10V,Electrolytic
	C21	VCQYKA1HM104K	AB			0.1 μF,50V,Mylar
	C22	VCEAZA1AW477M	AC			470 μF,10V,Electrolytic
	C23	VCKYCY1CB104K	AB			0.1 μF,16V
	C24	VCKYCY1CB104K	AB			0.1 μF,16V
	C25	RC-EZY105AF1H	AB			1 μF,50V,Electrolytic
	C26	VCKYCY1EF473Z	AB			0.047 μF,25V
	C27	RC-EZY107AF1A	AB			100 μF,10V,Electrolytic
	C28	VCKYCY1CB104K	AB			0.1 μF,16V
	C29	RC-EZY107AF1A	AB			100 μF,10V,Electrolytic
	C30	VCKYCY1CB104K	AB			0.1 μF,16V
	C31	VCKYCY1CB104K	AB			0.1 μF,16V
	C32	VCKYCY1CB104K	AB			0.1 μF,16V
	C33	VCKYCY1CB104K	AB			0.1 μF,16V
	C34	VCKYCY1CB104K	AB			0.1 μF,16V
	C35	RC-EZY105AF1H	AB			1 μF,50V,Electrolytic
	C36	RC-EZY107AF1A	AB			100 μF,10V,Electrolytic
	C41	RC-EZY106AF1H	AB			10 μF,50V,Electrolytic
	C42	RC-EZY106AF1H	AB			10 μF,50V,Electrolytic
	C43	VCQYKA1HM152K	AB			0.0015 μF,50V,Mylar
	C44	VCQYKA1HM152K	AB			0.0015 μF,50V,Mylar
	C45	VCKYCY1CB104K	AB			0.1 μF,16V
	C46	VCEAZA1AW477M	AC			470 μF,10V,Electrolytic
	C47	VCKYCY1EF473Z	AB			0.047 μF,25V
	C48	VCKYCY1HB103K	AA			0.01 μF,50V
	C49	VCKYCY1EF223Z	AB			0.022 μF,25V
	C50	VCCCCY1HH101J	AA			100 pF (CH),50V
	C51	VCCCCY1HH101J	AA			100 pF (CH),50V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
C52	VCCCCY1HH101J	AA			100 pF (CH),50V
C53	VCCCCY1HH101J	AA			100 pF (CH),50V
C54A	VCKYTV1HF223Z	AA			0.022 μ F,50V
C55	VCCCCY1HH101J	AA			100 pF (CH),50V
C56	VCCCCY1HH101J	AA			100 pF (CH),50V
C57	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C58	VCQYKA1HM102K	AA			0.001 μ F,50V,Mylar
C58A	VCKYCY1HB103K	AA			0.01 μ F,50V
C59	VCKYCY1EF223Z	AB			0.022 μ F,25V
C101	VCKYCY1HB561K	AA			560 pF,50V
C102	VCKYCY1HB561K	AA			560 pF,50V
C103	VCKYBT1HB181K	AA			180 pF,50V
C104	VCCCCY1HH181J	AA			180 pF (CH),50V
C105	VCKYCY1HB561K	AA			560 pF,50V
C106	VCKYCY1HB561K	AA			560 pF,50V
C111	VCEAZA1EW107M	AB			100 μ F,25V,Electrolytic
C112	VCEAZA1EW107M	AB			100 μ F,25V,Electrolytic
C113	VCTYPA1EX333K	AA			0.033 μ F,25V
C114	VCTYPA1EX333K	AA			0.033 μ F,25V
C115	VCKYCY1HB561K	AA			560 pF,50V
C116	VCKYCY1HB561K	AA			560 pF,50V
C117	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C118	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C119	VCKYCY1HB222K	AA			0.0022 μ F,50V
C120	VCKYPA1HB222K	AA			0.0022 μ F,50V
C121	VCKYCY1EF223Z	AB			0.022 μ F,25V
C123	VCKYCY1HB271K	AA			270 pF,50V
C124	VCKYCY1HB271K	AA			270 pF,50V
C125	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C126	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C127	VCTYPA1CX223K	AA			0.022 μ F,16V
C128	VCTYPA1CX223K	AA			0.022 μ F,16V
C129	VCKYCY1HB332K	AA			0.0033 μ F,50V
C130	VCKYCY1HB332K	AA			0.0033 μ F,50V
C131	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C132	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C133	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C134	VCEAZA1AW227M	AC			220 μ F,10V,Electrolytic
C135	VCKYCY1EF223Z	AB			0.022 μ F,25V
C137	VCQYKA1HM473K	AB			0.047 μ F,50V,Mylar
C138	VCQPKA2AA822J	AA			0.0082 μ F,100V,Polypropylene
C139	VCQYKA1HM393K	AB			0.039 μ F,50V,Mylar
C140	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C141	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C143	VCEAZA1HW335M	AB			3.3 μ F,50V,Electrolytic
C150	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C302	VCKYCY1HB102K	AA			0.001 μ F,50V
C303	VCCCCY1HH100D	AA			10 pF (CH),50V
C304	VCKYCY1HB103K	AA			0.01 μ F,50V
C305	VCCCCY1HH4R7C	AA			4.7 pF (CH),50V
C306	VCKYCY1EF223Z	AB			0.022 μ F,25V
C307	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C308	VCCCCY1HH4R7C	AA			4.7 pF (CH),50V
C309	VCKYCY1HB102K	AA			0.001 μ F,50V
C310	VCCCCY1HH150J	AA			15 pF (CH),50V
C311	VCCCCY1HH180J	AA			18 pF (CH),50V
C312	VCKYCY1EF223Z	AB			0.022 μ F,25V
C313	VCCCCY1HH220J	AA			22 pF (CH),50V
C315	VCKYCY1HB103K	AA			0.01 μ F,50V
C316	VCKYCY1EF223Z	AB			0.022 μ F,25V
C317	VCKYCY1HB102K	AA			0.001 μ F,50V
C318	VCKYBT1HB101K	AA			100 pF,50V
C320	VCKYBT1HB102K	AA			0.001 μ F,50V
C323	VCKYCY1EF223Z	AB			0.022 μ F,25V
C324	VCCCCY1HH4R7C	AA			4.7 pF (CH),50V
C330	VCCCCY1HH150J	AA			15 pF (CH),50V
C331	VCKZPA1HF473Z	AA			0.047 μ F,50V
C332	VCKYCY1EF223Z	AB			0.022 μ F,25V
C334	VCCCCY1HH220J	AA			22 pF (CH),50V
C335	VCKYCY1HB561K	AA			560 pF,50V
C338	VCKYCY1HB102K	AA			0.001 μ F,50V
C342	VCKYCY1EF223Z	AB			0.022 μ F,25V
C347	VCKYCY1EF223Z	AB			0.022 μ F,25V
C350	VCKYCY1EF223Z	AB			0.022 μ F,25V
C351	VCKYCY1EF223Z	AB			0.022 μ F,25V
C352	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C353	VCKYCY1EF223Z	AB			0.022 μ F,25V
C354	VCKYCY1EF223Z	AB			0.022 μ F,25V
C355	VCCCCY1HH220J	AA			22 pF (CH),50V
C356	VCKYCY1HB102K	AA			0.001 μ F,50V
C357	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C358	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C361	VCKYCY1EF223Z	AB			0.022 μ F,25V
C362	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C363	VCKYCY1EF223Z	AB			0.022 μ F,25V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
C364	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C365	VCTYPA1CX223K	AA			0.022 μ F,16V
C366	VCKYCY1HB102K	AA			0.001 μ F,50V
C367	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C368	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C369	VCCCCY1HH270J	AA			27 pF (CH),50V
C370	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C371	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C372	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C373	VCTYPA1CX153K	AA			0.015 μ F,16V
C374	VCTYPA1CX153K	AA			0.015 μ F,16V
C380	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C381	VCCCCY1HH120J	AA			12 pF (CH),50V
C382	VCCCCY1HH150J	AA			15 pF (CH),50V
C383	VCCSBT1HL470J	AA			47 pF,50V
C384	VCKYCY1HB102K	AA			0.001 μ F,50V
C385	VCKYCY1HF103Z	AB			0.01 μ F,50V
C386	VCKYCY1HB331K	AA			330 pF,50V
C387	VCKYCY1EF223Z	AB			0.022 μ F,25V
C388	VCKYPA1HB102K	AA			0.001 μ F,50V
C389	VCKYBT1HB102K	AA			0.001 μ F,50V
C390	VCKYBT1HB102K	AA			0.001 μ F,50V
C391	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C392	VCKYCY1HB102K	AA			0.001 μ F,50V
C393	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C394	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C395	VCKYCY1EF223Z	AB			0.022 μ F,25V
C396	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C397	VCKYCY1EF223Z	AB			0.022 μ F,25V
C398	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
C399	VCKYCY1EF223Z	AB			0.022 μ F,25V
C601	VCEAZA1CW227M	AC			220 μ F,16V,Electrolytic
C602	VCKYCY1EF223Z	AB			0.022 μ F,25V
C603	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C605	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C606	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C607	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C608	VCFYFA1HA104J	AC			0.1 μ F,50V,Thin Film
C609	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C610	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C611	VCKYCY1HB272K	AA			0.0027 μ F,50V
C612	VCKYCY1HB272K	AA			0.0027 μ F,50V
C613	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C614	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C615	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
C616	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
C617	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C618	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C619	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C620	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C621	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C622	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C623	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C624	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C625	VCKYPA1HB561K	AA			560 pF,50V
C626	VCKYCY1HB561K	AA			560 pF,50V
C627	VCKYCY1HB222K	AA			0.0022 μ F,50V
C628	VCKYCY1HB102K	AA			0.001 μ F,50V
C629	VCKYCY1HB102K	AA			0.001 μ F,50V
C630	VCKYCY1HB102K	AA			0.001 μ F,50V
C633	VCKYCY1HB102K	AA			0.001 μ F,50V
C651	VCKYCY1HB221K	AA			220 pF,50V
C652	VCKYCY1HB221K	AA			220 pF,50V
C653	VCKYCY1HB221K	AA			220 pF,50V
C690	VCKYPA1HB391K	AA			390 pF,50V
C691	VCKYCY1HB391K	AA			390 pF,50V
C699	VCKYCY1HB102K	AA			0.001 μ F,50V
C701	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C702	VCEAZA1AW227M	AC			220 μ F,10V,Electrolytic
C704	VCKYCY1EF223Z	AB			0.022 μ F,25V
C706	VCKZPA1HF473Z	AA			0.047 μ F,50V
C707	VCCCCY1HH180J	AA			18 pF (CH),50V
C708	VCCCCY1HH180J	AA			18 pF (CH),50V
C709	VCKYCY1EF223Z	AB			0.022 μ F,25V
C710	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C712	VCEAZA1HW335M	AB			3.3 μ F,50V,Electrolytic
C713	VCKYCY1HB103K	AA			0.01 μ F,50V
C714	VCKYCY1EF473Z	AB			0.047 μ F,25V
C715	VCKYCY1HB103K	AA			0.01 μ F,50V
C716	VCKYCY1EF223Z	AB			0.022 μ F,25V
C718	VCKYCY1HB102K	AA			0.001 μ F,50V
C719	VCKYCY1HB102K	AA			0.001 μ F,50V
C721	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C730	VCTYBT1EF223Z	AA			0.022 μ F,25V
C731	VCKYCY1EF473Z	AB			0.047 μ F,25V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
C732	VCKYCY1EF223Z	AB			0.022 μ F,25V
C801	VCEAZA1VW107M	AC			100 μ F,35V,Electrolytic
C802	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C803	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
C804	VCEAZA1JW227M	AD			220 μ F,63V,Electrolytic
C805	VCEAZA2AW226M	AC			22 μ F,100V,Electrolytic
C806	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C807	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C808	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C809	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C851	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C854	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C855	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C856	VCEAZW1EW338M	AG			3300 μ F,25V,Electrolytic
C858	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C859	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C861	VCKZPA1HF223Z	AA			0.022 μ F,50V
C863	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C864	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C865	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C901	VCEAZA1HW224M	AB			0.22 μ F,50V,Electrolytic
C902	VCEAZA1HW224M	AB			0.22 μ F,50V,Electrolytic
C903	VCKYCY1HB102K	AA			0.001 μ F,50V
C904	VCKYCY1HB102K	AA			0.001 μ F,50V
C905	VCCCCY1HH3R0C	AA			3 pF (CH),50V
C906	VCCCCY1HH3R0C	AA			3 pF (CH),50V
C907	VCCCCY1HH471J	AA			470 pF (CH),50V
C908	VCCCCY1HH471J	AA			470 pF (CH),50V
C909	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C910	VCEAZA1HW226M	AB			22 μ F,50V,Electrolytic
C911	VCKZPA1HF103Z	AA			0.01 μ F,50V
C912	VCKZPA1HF103Z	AA			0.01 μ F,50V
C913	VCEAZA1JW107M	AC			100 μ F,63V,Electrolytic
C914	VCEAZA1JW107M	AC			100 μ F,63V,Electrolytic
C915	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C916	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C926	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C927	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C928	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C929	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C932	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
C934	VCKYPA1HF223Z	AB			0.022 μ F,50V
C935	VCKYPA1HF223Z	AB			0.022 μ F,50V
C936	VCKYPA1HF223Z	AB			0.022 μ F,50V
C937	VCKYPA1HF223Z	AB			0.022 μ F,50V
C938	VCKYPA1HF223Z	AB			0.022 μ F,50V
C939	VCKYPA1HF223Z	AB			0.022 μ F,50V
C940	VCKYPA1HF223Z	AB			0.022 μ F,50V
C941	VCKYPA1HF223Z	AB			0.022 μ F,50V
C942	VCKYPA1HB102K	AA			0.001 μ F,50V
C943	VCKYPA1HB102K	AA			0.001 μ F,50V
C948	VCEAZW1VW228M	AH			2200 μ F,35V,Electrolytic
C949	VCEAZW1VW228M	AH			2200 μ F,35V,Electrolytic
C950	VCEAZA1HW104M	AB			0.1 μ F,50V,Electrolytic
C951	VCKYCY1HB102K	AA			0.001 μ F,50V
[10] RESISTORS					
R7	VRD-ST2CD470J	AA			47 ohms,1/6W
R8	VRD-ST2CD100J	AA			10 kohm,1/6W
R9	VRD-ST2CD102J	AA			1 kohm,1/6W
R11	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R12	VRD-ST2CD103J	AA			10 kohm,1/6W
R15	VRD-ST2CD103J	AA			10 kohm,1/6W
R16	VRS-CY1JB331J	AA			330 ohms,1/16W
R17	VRD-ST2CD330J	AA			33 ohms,1/6W
R18	VRS-CY1JB1R0J	AA			1 ohm,1/16W
R19	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R20	VRD-ST2CD822J	AA			8.2 kohms,1/6W
R21	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R22	VRD-ST2CD682J	AA			6.8 kohms,1/6W
R23	VRD-ST2CD681J	AA			680 ohms,1/6W
R24	VRD-ST2CD681J	AA			680 ohms,1/6W
R25	VRD-ST2CD683J	AA			68 kohm,1/6W
R26	VRD-ST2CD102J	AA			1 kohm,1/6W
R27	VRD-ST2CD820J	AA			82 ohms,1/6W
R28	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R29	VRD-ST2CD1R0J	AA			1 ohm,1/6W
R30	VRS-CY1JB271J	AA			270 ohms,1/16W
R31	VRS-CY1JB681J	AA			680 ohms,1/16W
R32	VRD-ST2CD820J	AA			82 ohms,1/6W
R33	VRD-ST2CD102J	AA			1 kohm,1/6W
R34	VRD-ST2CD102J	AA			1 kohm,1/6W
R35	VRD-ST2CD102J	AA			1 kohm,1/6W
R36	VRD-ST2CD102J	AA			1 kohm,1/6W
R37	VRD-ST2CD102J	AA			1 kohm,1/6W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
R38	VRD-ST2CD102J	AA			1 kohm,1/6W
R39	VRD-ST2CD102J	AA			1 kohm,1/6W
R40	VRS-CY1JB102J	AA			1 kohm,1/16W
R41	VRD-ST2CD102J	AA			1 kohm,1/6W
R42	VRD-ST2CD102J	AA			1 kohm,1/6W
R43	VRS-CY1JB820J	AA			82 ohms,1/16W
R44	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R45	VRS-CY1JB151J	AA			150 ohms,1/16W
R46	VRS-CY1JB223J	AA			22 kohms,1/16W
R47	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R48	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R49	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R50	VRS-CY1JB103J	AA			10 kohm,1/16W
R51	VRS-CY1JB103J	AA			10 kohm,1/16W
R52	VRD-ST2CD820J	AA			82 ohms,1/6W
R53	VRD-ST2EE1R0J	AA			1 ohm,1/4W
R54	VRD-ST2EE1R0J	AA			1 ohm,1/4W
R55	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R63	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R64	VRD-ST2CD392J	AA			3.9 kohms,1/6W
R65	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R66	VRD-ST2CD392J	AA			3.9 kohms,1/6W
R67	VRS-CY1JB225J	AA			2.2 Mohms,1/16W
R101	VRS-CY1JB332J	AA			3.3 kohm,1/16W
R102	VRS-CY1JB332J	AA			3.3 kohm,1/16W
R103	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R104	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R105	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R106	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R107	VRS-CY1JB473J	AA			47 kohms,1/16W
R108	VRS-CY1JB473J	AA			47 kohms,1/16W
R109	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R110	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R111	VRD-ST2CD153J	AA			15 kohms,1/6W
R112	VRS-CY1JB153J	AA			15 kohms,1/16W
R113	VRS-CY1JB332J	AA			3.3 kohm,1/16W
R114	VRS-CY1JB332J	AA			3.3 kohm,1/16W
R115	VRD-ST2CD560J	AA			56 ohms,1/6W
R116	VRD-ST2CD560J	AA			56 ohms,1/6W
R117	VRS-CY1JB104J	AA			100 kohm,1/16W
R118	VRS-CY1JB104J	AA			100 kohm,1/16W
R119	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R120	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R121	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R122	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R123	VRS-CY1JB123J	AA			12 kohms,1/16W
R124	VRS-CY1JB123J	AA			12 kohms,1/16W
R126	VRS-CY1JB153J	AA			15 kohms,1/16W
R127	VRS-CY1JB153J	AA			15 kohms,1/16W
R128	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R129	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R130	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R131	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R132	VRS-CY1JB101J	AA			100 ohm,1/16W
R133	VRS-CY1JB101J	AA			100 ohm,1/16W
R134	VRS-CY1JB103J	AA			10 kohm,1/16W
R135	VRS-CY1JB103J	AA			10 kohm,1/16W
R136	VRD-ST2CD224J	AA			220 kohms,1/6W
R137	VRD-ST2CD224J	AA			220 kohms,1/6W
R138	VRD-ST2CD103J	AA			10 kohm,1/6W
R139	VRS-CY1JB103J	AA			10 kohm,1/16W
R140	VRS-CY1JB473J	AA			47 kohms,1/16W
R141	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R142	VRD-RT2HD820J	AA			82 ohms,1/2W
R143	VRS-CY1JB473J	AA			47 kohms,1/16W
R144	VRS-CY1JB223J	AA			22 kohms,1/16W
R145	VRD-ST2CD4R7J	AA			4.7 ohms,1/6W
R148	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R149	VRD-ST2EE151J	AA			150 ohms,1/4W
R150	VRS-CY1JB683J	AA			68 kohms,1/16W
R151	VRS-CY1JB102J	AA			1 kohms,1/16W
R152	VRS-CY1JB102J	AA			1 kohms,1/16W
R158	VRD-ST2EE221J	AA			220 ohms,1/4W
R302	VRS-CY1JB100J	AA			10 ohm,1/16W
R309	VRD-ST2CD103J	AA			10 kohm,1/6W
R311	VRS-CY1JB104J	AA			100 kohm,1/16W
R313	VRS-CY1JB333J	AA			33 kohms,1/16W
R314	VRD-ST2CD220J	AA			22 ohms,1/6W
R316	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R322	VRS-CY1JB681J	AA			680 ohms,1/16W
R323	VRS-CY1JB683J	AA			68 kohms,1/16W
R325	VRS-CY1JB473J	AA			47 kohms,1/16W
R327	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R336	VRS-CY1JB103J	AA			10 kohm,1/16W
R350	VRS-CY1JB272J	AA			2.7 kohms,1/16W

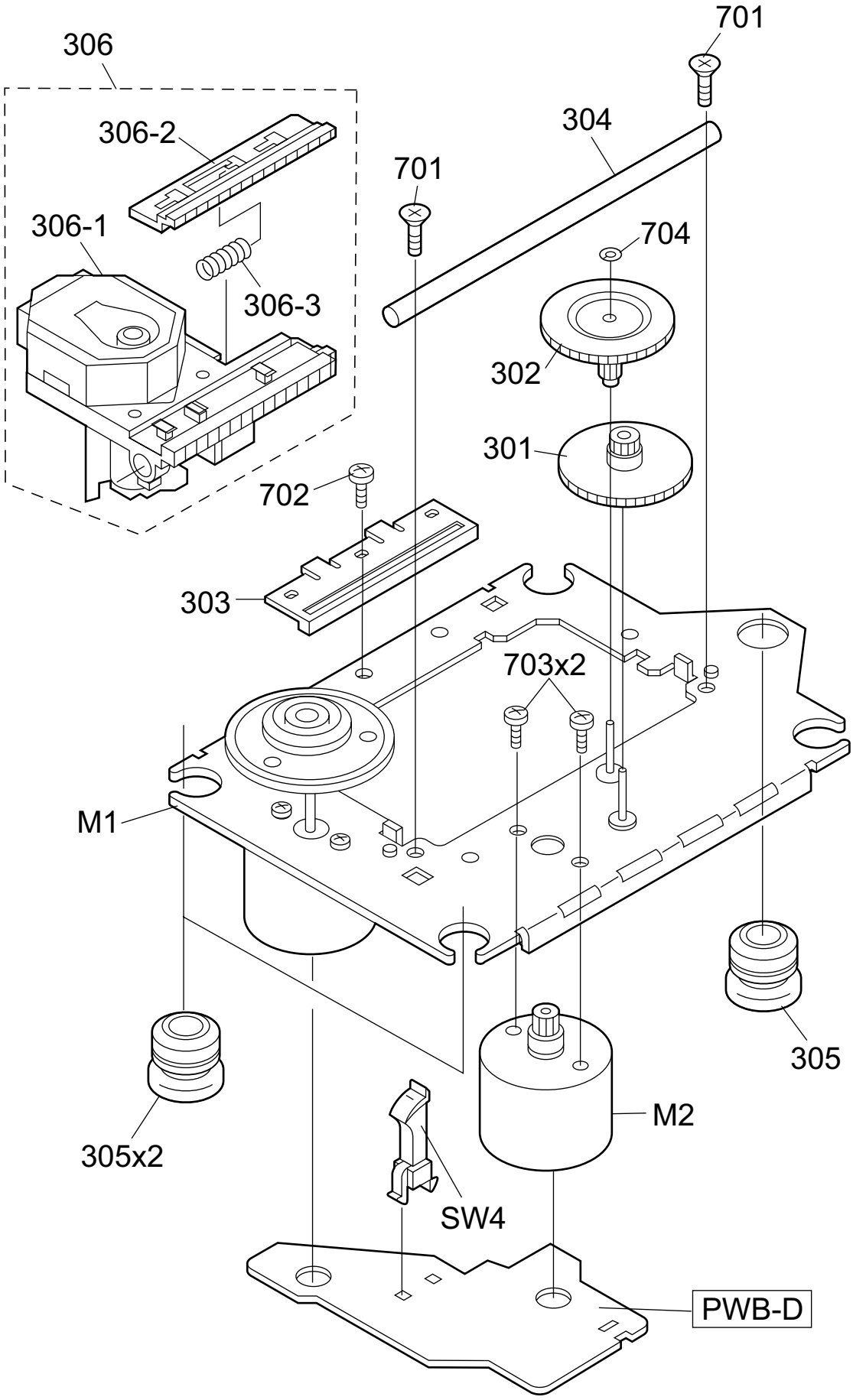
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
R351	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R352	VRS-CY1JB102J	AA			1 kohm,1/16W
R353	VRS-CY1JB271J	AA			270 ohms,1/16W
R355	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R356	VRS-CY1JB102J	AA			1 kohm,1/16W
R357	VRS-CY1JB474J	AA			470 kohms,1/16W
R358	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R359	VRS-CY1JB182J	AA			1.8 kohms,1/16W
R360	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R361	VRD-ST2CD103J	AA			10 kohm,1/6W
R362	VRD-ST2CD103J	AA			10 kohm,1/6W
R363	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R364	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R365	VRS-CY1JB103J	AA			10 kohm,1/16W
R372	VRS-CY1JB102J	AA			1 kohm,1/16W
R373	VRS-CY1JB102J	AA			1 kohm,1/16W
R374	VRS-CY1JB102J	AA			1 kohm,1/16W
R375	VRD-ST2CD471J	AA			470 ohms,1/6W
R376	VRS-CY1JB102J	AA			1 kohm,1/16W
R377	VRS-CY1JB473J	AA			47 kohms,1/16W
R378	VRS-CY1JB102J	AA			1 kohm,1/16W
R379	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R380	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R381	VRS-CY1JB103J	AA			10 kohm,1/16W
R382	VRD-ST2EE151J	AA			150 ohms,1/4W
R383	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R384	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R385	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R386	VRD-ST2CD223J	AA			22 kohms,1/6W
R387	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R388	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R391	VRD-ST2EE271J	AA			270 ohms,1/4W
R392	VRD-ST2EE271J	AA			270 ohms,1/4W
R393	VRD-ST2CD102J	AA			1 kohm,1/6W
R395	VRS-CY1JB473J	AA			47 kohms,1/16W
R601	VRD-ST2CD102J	AA			1 kohm,1/6W
R602	VRD-ST2CD102J	AA			1 kohm,1/6W
R603	VRD-ST2CD102J	AA			1 kohm,1/6W
R604	VRD-ST2CD103J	AA			10 kohm,1/6W
R605	VRD-ST2CD103J	AA			10 kohm,1/6W
R606	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R607	VRD-ST2CD332J	AA			3.3 kohms,1/6W
R608	VRS-CY1JB271J	AA			270 ohms,1/16W
R609	VRD-ST2CD271J	AA			270 ohms,1/6W
R610	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R611	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R612	VRS-CY1JB391J	AA			390 ohms,1/16W
R613	VRS-CY1JB391J	AA			390 ohms,1/16W
R614	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R615	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R618	VRD-ST2CD331J	AA			330 ohms,1/6W
R619	VRD-ST2CD331J	AA			330 ohms,1/6W
R690	VRD-ST2CD562J	AA			5.6 kohms,1/6W
R691	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R692	VRD-ST2CD683J	AA			68 kohms,1/6W
R693	VRS-CY1JB683J	AA			68 kohms,1/16W
R701	VRD-ST2CD102J	AA			1 kohm,1/6W
R702	VRD-ST2CD102J	AA			1 kohm,1/6W
R703	VRD-ST2CD102J	AA			1 kohm,1/6W
R704	VRD-ST2CD102J	AA			1 kohm,1/6W
R705	VRD-ST2CD102J	AA			1 kohm,1/6W
R706	VRD-ST2CD102J	AA			1 kohm,1/6W
R708	VRD-ST2CD102J	AA			1 kohm,1/6W
R709	VRD-ST2CD102J	AA			1 kohm,1/6W
R710	VRD-ST2CD102J	AA			1 kohm,1/6W
R711	VRD-ST2CD102J	AA			1 kohm,1/6W
R712	VRD-ST2CD102J	AA			1 kohm,1/6W
R713	VRD-ST2CD221J	AA			220 ohms,1/6W
R714	VRD-ST2CD102J	AA			1 kohm,1/6W
R715	VRD-ST2CD221J	AA			220 ohms,1/6W
R716	VRD-ST2CD221J	AA			220 ohms,1/6W
R717	VRD-ST2CD102J	AA			1 kohm,1/6W
R718	VRD-ST2CD102J	AA			1 kohm,1/8W
R719	VRD-ST2CD102J	AA			1 kohm,1/8W
R720	VRD-ST2CD102J	AA			1 kohm,1/8W
R721	VRD-ST2CD102J	AA			1 kohm,1/6W
R722	VRD-ST2CD102J	AA			1 kohm,1/6W
R723	VRD-ST2CD102J	AA			1 kohm,1/6W
R724	VRD-ST2CD102J	AA			1 kohm,1/6W
R725	VRD-ST2CD102J	AA			1 kohm,1/6W
R728	VRD-ST2CD561J	AA			560 ohms,1/6W
R729	VRD-ST2CD102J	AA			1 kohm,1/6W
R730	VRD-ST2CD681J	AA			680 ohms,1/6W
R731	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R732	VRD-ST2CD681J	AA			680 ohms,1/6W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
R733	VRD-ST2CD102J	AA			1 kohm,1/6W
R741	VRD-ST2CD102J	AA			1 kohm,1/6W
R742	VRD-ST2CD102J	AA			1 kohm,1/6W
R743	VRD-ST2CD102J	AA			1 kohm,1/6W
R744	VRD-ST2CD102J	AA			1 kohm,1/6W
R745	VRD-ST2CD102J	AA			1 kohm,1/6W
R746	VRD-ST2CD102J	AA			1 kohm,1/6W
R747	VRD-ST2EE1R5J	AA			1.5 ohms,1/4W
R750	VRD-ST2CD473J	AA			47 kohms,1/6W
R752	VRD-ST2CD103J	AA			10 kohm,1/6W
R753	VRD-ST2CD103J	AA			10 kohm,1/6W
R756	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R757	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R758	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R759	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R760	VRD-ST2CD103J	AA			10 kohm,1/6W
R761	VRD-ST2CD103J	AA			10 kohm,1/6W
R762	VRD-ST2CD103J	AA			10 kohm,1/6W
R763	VRD-ST2CD103J	AA			10 kohm,1/6W
R769	VRD-ST2CD472J	AA			4.7 kohms,1/6W
R770	VRS-CY1JB103J	AA			10 kohm,1/16W
R771	VRS-CY1JB103J	AA			10 kohm,1/16W
R772	VRS-CY1JB103J	AA			10 kohm,1/16W
R773	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R774	VRS-CY1JB103J	AA			10 kohm,1/16W
R775	VRS-CY1JB103J	AA			10 kohm,1/16W
R776	VRS-CY1JB473J	AA			47 kohms,1/16W
R777	VRS-CY1JB104J	AA			100 kohm,1/16W
R778	VRD-ST2CD101J	AA			100 ohm,1/6W
R786	VRD-ST2EE1R5J	AA			1.5 ohms,1/4W
R787	VRD-ST2CD104J	AA			100 kohm,1/6W
R788	VRD-ST2CD331J	AA			330 ohms,1/6W
R791	VRD-ST2CD103J	AA			10 kohm,1/6W
R792	VRD-ST2CD103J	AA			10 kohm,1/6W
R793	VRD-ST2CD103J	AA			10 kohm,1/6W
R794	VRD-ST2CD103J	AA			10 kohm,1/6W
R795	VRD-ST2CD103J	AA			10 kohm,1/6W
R796	VRD-ST2CD103J	AA			10 kohm,1/6W
R797	VRD-ST2CD103J	AA			10 kohm,1/6W
R801	VRD-ST2CD104J	AA			100 kohm,1/6W
R802	VRD-ST2CD473J	AA			47 kohms,1/6W
R803	VRD-ST2CD123J	AA			12 kohms,1/6W
R804	VRD-ST2EE470J	AA			47 ohms,1/4W
R805	VRD-ST2EE470J	AA			47 ohms,1/4W
R806	VRD-ST2CD473J	AA			47 kohms,1/6W
R807	VRD-ST2EE100J	AA			10 ohm,1/4W
R808	VRD-RT2HD222J	AA			2.2 kohms,1/2W
R852	VRD-ST2CD103J	AA			10 kohm,1/6W
R853	VRD-ST2CD223J	AA			22 kohms,1/6W
R854	VRD-ST2CD223J	AA			22 kohms,1/6W
R859	VRD-ST2CD223J	AA			22 kohms,1/6W
R860	VRD-ST2EE221J	AA			220 ohms,1/4W
R901	VRS-CY1JB563J	AA			56 kohms,1/16W
R902	VRS-CY1JB563J	AA			56 kohms,1/16W
R903	VRS-CY1JB102J	AA			1 kohm,1/16W
R904	VRS-CY1JB102J	AA			1 kohm,1/16W
R907	VRS-CY1JB563J	AA			56 kohms,1/16W
R908	VRS-CY1JB563J	AA			56 kohms,1/16W
R909	VRD-ST2CD102J	AA			1 kohm,1/6W
R910	VRD-ST2CD102J	AA			1 kohm,1/6W
R911	VRS-CY1JB821J	AA			820 ohms,1/16W
R912	VRS-CY1JB821J	AA			820 ohms,1/16W
R913	VRN-VV3AAR10J	AB			0.1 ohm,1W
R914	VRN-VV3AAR10J	AB			0.1 ohm,1W
R915	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R916	VRD-ST2CD222J	AA			2.2 kohms,1/6W
R917	VRN-VV3DAR22J	AC			0.22 ohms,2W
R918	VRN-VV3DAR22J	AC			0.22 ohms,2W
⚠ R921	VRG-ST2EC101J	AB			100 ohm,1/4W,Fusible
⚠ R922	VRG-ST2EC101J	AB			100 ohm,1/4W,Fusible
R923	VRD-ST2CD271J	AA			270 ohms,1/6W
R924	VRD-ST2CD271J	AA			270 ohms,1/6W
R925	VRD-ST2CD223J	AA			22 kohms,1/6W
R926	VRD-ST2CD223J	AA			22 kohms,1/6W
R927	VRD-ST2CD223J	AA			22 kohms,1/6W
R940	VRD-ST2EE4R7J	AA			4.7 ohms,1/4W
R941	VRD-ST2EE4R7J	AA			4.7 ohms,1/4W
R942	VRD-RT2HD221J	AA			220 ohms,1/2W
R943	VRD-RT2HD221J	AA			220 ohms,1/2W
R946	VRD-ST2CD473J	AA			47 kohms,1/6W
R952	VRD-ST2EE6R8J	AA			6.8 ohms,1/4W
R953	VRD-ST2EE6R8J	AA			6.8 ohms,1/4W
R954	VRD-ST2EE6R8J	AA			6.8 ohms,1/4W
R955	VRD-ST2EE6R8J	AA			6.8 ohms,1/4W
RD01	VRD-ST2CD681J	AA			680 ohms,1/6W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
RD02	VRD-ST2CD821J	AA			820 ohms,1/6W
RD03	VRD-ST2CD102J	AA			1 kohm,1/6W
RD04	VRD-ST2CD152J	AA			1.5 kohms,1/6W
RD05	VRD-ST2CD222J	AA			2.2 kohms,1/6W
RD06	VRD-ST2CD272J	AA			2.7 kohms,1/6W
RD10	VRD-ST2CD681J	AA			680 ohms,1/6W
RD11	VRD-ST2CD821J	AA			820 ohms,1/6W
RD12	VRS-CY1JB102J	AA			1 kohm,1/16W
RD13	VRD-ST2CD152J	AA			1.5 kohms,1/6W
RD14	VRD-ST2CD222J	AA			2.2 kohms,1/6W
RD15	VRD-ST2CD272J	AA			2.7 kohms,1/6W
RD16	VRD-ST2CD392J	AA			3.9 kohms,1/6W
RD19	VRD-ST2CD681J	AA			680 ohms,1/6W
RD20	VRD-ST2CD821J	AA			820 ohms,1/6W
RD21	VRD-ST2CD102J	AA			1 kohm,1/6W
RD22	VRS-CY1JB152J	AA			1.5 kohms,1/16W
RD23	VRD-ST2CD222J	AA			2.2 kohms,1/6W
[11] OTHER CIRCUITRY PARTS					
Bi4	QCNWN1572AWZZ	AF			Connector Ass'y,6/6Pin with CNS4
Bi601	QCNWNA261AWPZ	AG			Connector Ass'y,8/7Pin with CNS601
Bi705	QCNWNA264AWPZ	AF			Connector Ass'y,4/4Pin with CNS705
Bi801	QCNWNA262AWPZ	AG			Connector Ass'y,7/6Pin with CNS801
CNP1	QCNCWYP16AWZZ	AD			Socket,16Pin
CNP2	92LCONE6P53253	AC			Plug,6Pin
CNP2A	92LCONE6P53254	AC			Plug,6Pin
CNP3	92LCONE7P53254	AB			Plug,7Pin
CNP4	QCNCM705FAFZZ	AB			Plug,6Pin
CNP5	92LCONE4P53254	AC			Plug,4Pin
CNP6	QCNCM704GAFZZ	AC			Plug,7Pin
CNP7	QCNCWZY10AWZZ	AC			Socket,10Pin
CNP101	QCNCM705CAFZZ	AA			Plug,3Pin
CNP102	QCNCM705GAFZZ	AB			Plug,7Pin
CNP301	92LCONE3P5268	AC			Plug,3Pin
CNP701A	QCNCWZY16AWZZ	AD			Socket,16Pin
CNP701B	QCNCWZX16AWZZ	AD			Socket,16Pin
CNP702A	QCNCWZY07AWZZ	AC			Socket,7Pin
CNP704	QCNCWZX10AWZZ	AC			Socket,10Pin
CNP705	QCNCW012EAWZZ	AC			Socket,5Pin
CNP801	92LCONE6P5267X	AC			Plug,6Pin,Test Point
CNP802	QCNCW012FAWZZ	AC			Plug,6Pin
⚠ CNP805	QCNCM049BAWZZ	AC			Plug,2Pin
CNS2A	QCNWN1539AWZZ	AE			Connector Ass'y,6/6Pin with CNS2B
⚠ F801	QFS-D322ABGNi	AE			Fuse,T3.15A L 250V
⚠ F802	QFS-D322ABGNi	AE			Fuse,T3.15A L 250V
⚠ F803	QFS-D202ABGNi	AC			Fuse,T2A L 250V
⚠ F804	QFS-D202ABGNi	AC			Fuse,T2A L 250V
FFC1	QCNWNA265AWPZ	AD			Flat Cable,16Pin
FFC7	QCNWNA263AWPZ	AE			Flat Cable,10Pin
FFC701	QCNWN2471AWZZ	AF			Flat Cable,16Pin
FFC702	QCNWN2495AWZZ	AD			Flat Cable,7Pin
FL701	VVKNA11SS55-1	AV			FL Display
FW705	QCNWN2562AWZZ	AD			Flat Wire,6Pin
FW901	QCNWN2470AWZZ	AC			Flat Wire,5Pin
JK690	QSOCJ0224AWZZ	AC			Jack,Video Out/AUX In
JK701	QJAKM0004AWZZ	AK			Jack,Headphones
LUG1	QLUGP0001AWZZ	AC			Lug
LUG2	QLUGP0001AWZZ	AC			Lug
LUG3	QLUGP0001AWZZ	AC			Lug
LUG4	QLUGP0001AWZZ	AC			Lug
M1	92LMTR2790CASY	BB			Motor with Chassis [Spindle]
M2	92LMTR1854BASY	AP			Motor with Gear [Sled]
M3	RMOTV0373AFZZ	AL			Motor with Worm Pulley [T/T Up/Down Loading]
RL914	RRLYD0016AWZZ	AH			Relay
RX701	VHLK603TH2E-1	AG			Remote Sensor,K603TH2E
SO901	QTANA0423AWZZ	AE			Terminal,Speaker
SW1	QSW-M0012AWZZ	AM			Switch,Leaf Type [Open/Close]
SW2	QSW-M0012AWZZ	AM			Switch,Leaf Type [Clamp]
SW3	QSW-M0012AWZZ	AM			Switch,Leaf Type [Disc Number]
SW4	QSW-F9001AW01	AD			Switch,Push Type [Pickup In]
SW701	92LSWiCHT1663T	AC			Switch,Key Type [On/Stand-by]
SW702	92LSWiCHT1663T	AC			Switch,Key Type [Memory/Set]
SW703	92LSWiCHT1663T	AC			Switch,Key Type [Rec/Pause]
SW704	92LSWiCHT1663T	AC			Switch,Key Type [Tuning Down]
SW705	92LSWiCHT1663T	AC			Switch,Key Type [Tuning Up]
SW706	92LSWiCHT1663T	AC			Switch,Key Type [Clock/Timer]
SW707	92LSWiCHT1663T	AC			Switch,Key Type [Display]
SW711	92LSWiCHT1663T	AC			Switch,Key Type [CD]
SW712	92LSWiCHT1663T	AC			Switch,Key Type [Tuner (BAND)]
SW713	92LSWiCHT1663T	AC			Switch,Key Type [Video/AUX]
SW714	92LSWiCHT1663T	AC			Switch,Key Type [Tape]

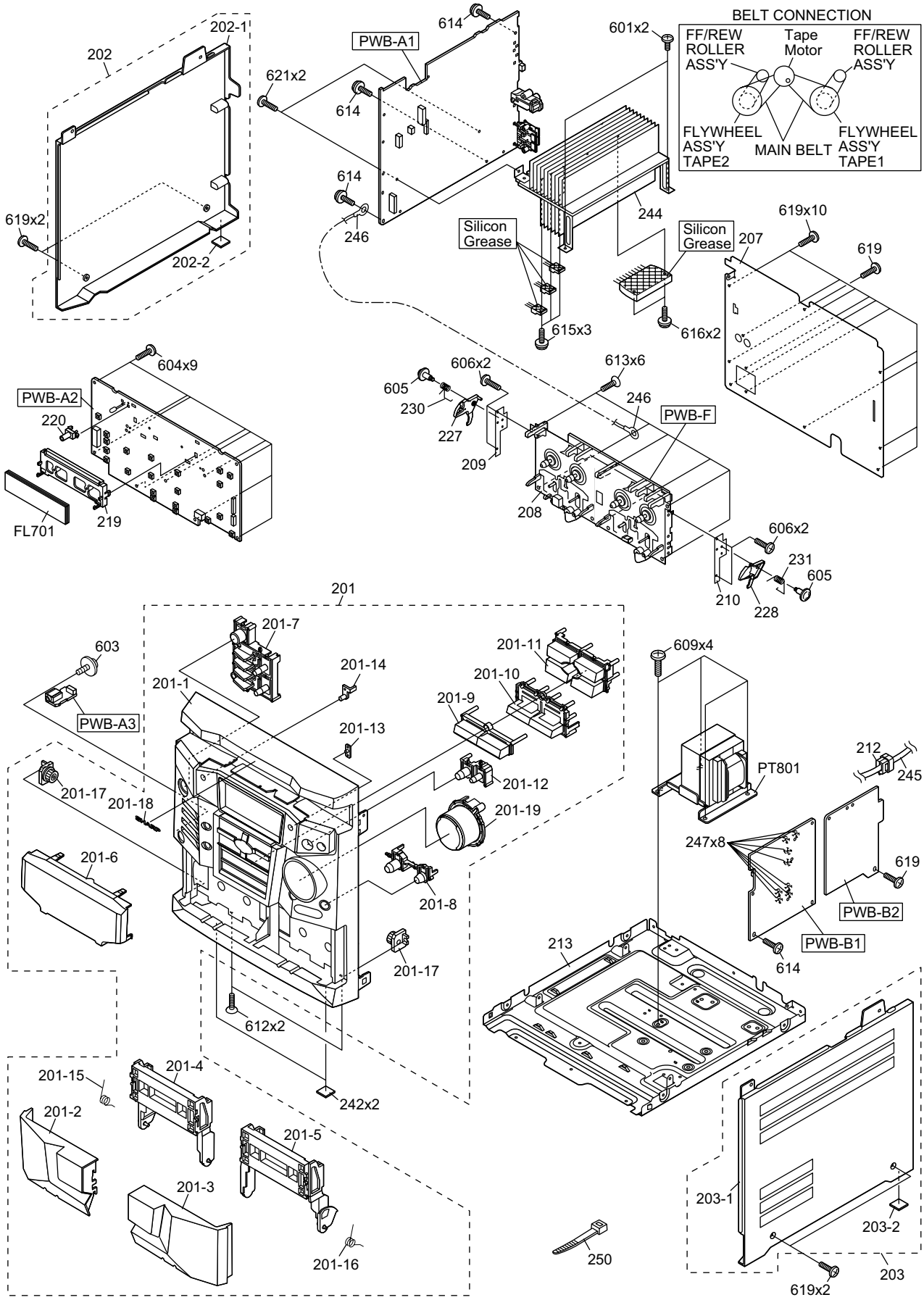
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[11] OTHER CIRCUITRY PARTS					
SW715	92LSWiCHT1663T	AC			Switch,Key Type [Stop]
SW716	92LSWiCHT1663T	AC			Switch,Key Type [Play]
SW717	92LSWiCHT1663T	AC			Switch,Key Type [Fast Forward]
SW718	92LSWiCHT1663T	AC			Switch,Key Type [Fast Rewind]
SW721	92LSWiCHT1663T	AC			Switch,Key Type [X-Bass/Demo]
SW722	92LSWiCHT1663T	AC			Switch,Key Type [Equalizer]
SW723	92LSWiCHT1663T	AC			Switch,Key Type [Open/Close]
SW724	92LSWiCHT1663T	AC			Switch,Key Type [Disc Skip]
SW725	92LSWiCHT1663T	AC			Switch,Key Type [Volume Up]
SW726	92LSWiCHT1663T	AC			Switch,Key Type [Volume Down]
WTM705	QCNCW019FAWZZ	AB			Holder,Flat Wire,6Pin
WTM901	QCNCW019EAWZZ	AB			Holder,Flat Wire,5Pin

[12] CD MECHANISM PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[12] CD MECHANISM PARTS					
301	NGERH0011AWZZ	AC			Gear,Middle
302	NGERH0012AWZZ	AC			Gear,Drive
303	MLEVP0080AWZZ	AC			Rail,Guide
304	NSFTM0020AWFW	AD			Shaft,Guide
305	92LM-CUSN1524A	AC			Cushion
⚠ 306	92LHPC1LFASY	BB			Pickup Unit Ass'y
306- 1	--------	-			Pickup Unit (Not Replacement Item)
306- 2	NGERR0043AFZZ	AC			Gear,Rack
306- 3	MSPRC0961AFZZ	AA			Spring,Rack
701	XBSSD26P06000	AA			Screw,M2.6x6mm
702	XHBSD20P05000	AA			Screw,M2x5mm
703	XBBSD20P03000	AA			Screw,M2x3mm
704	LX-WZ1070AFZZ	AA			Washer,M1.5xM3.8x0.25mm
M1	92LMTR2790CASY	BB			Motor with Chassis [Spindle]
M2	92LMTR1854BASY	AP			Motor with Gear [Sled]
SW4	QSW-F9001AW01	AD			Switch,Leaf Type [Pickup In]

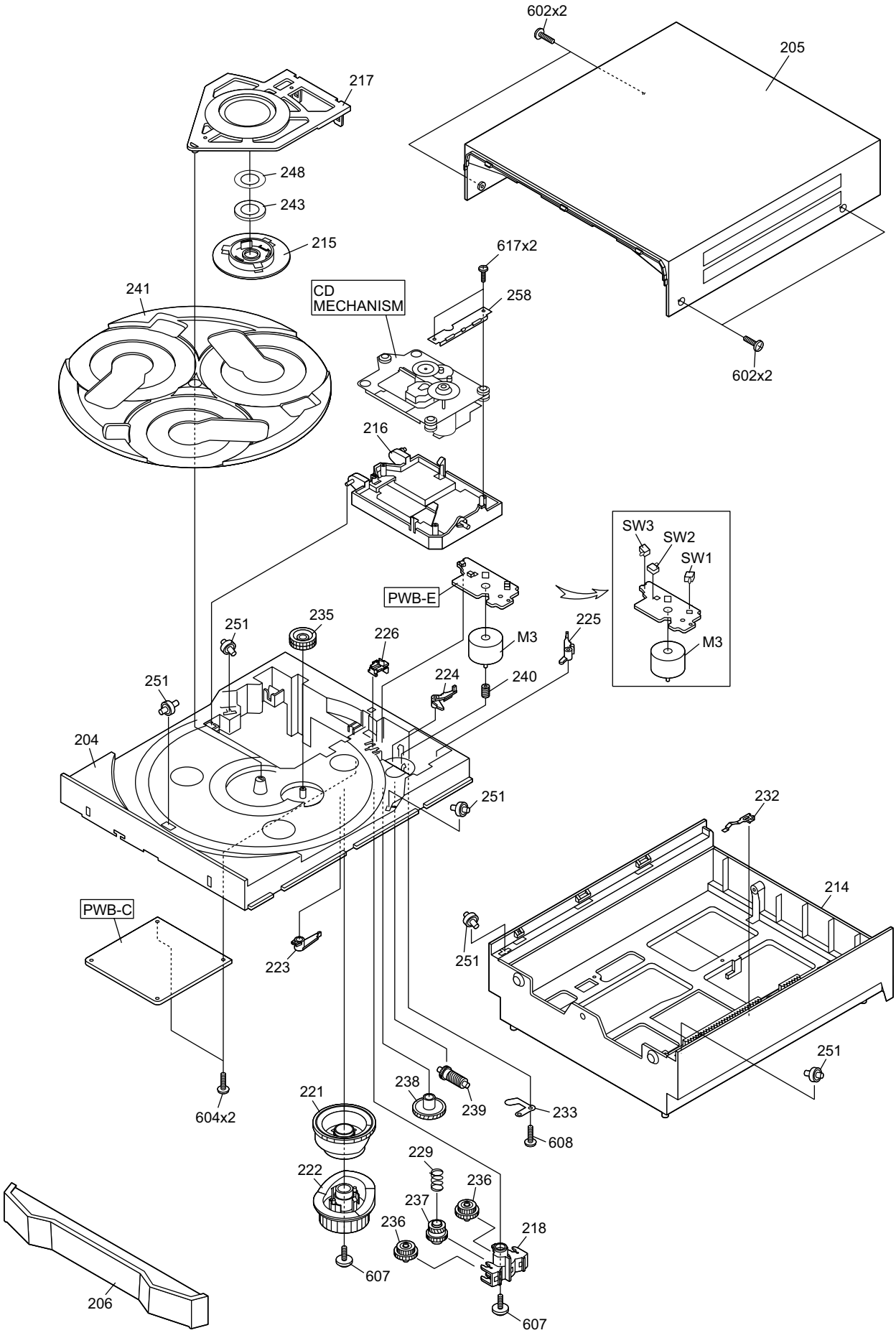
[13] CABINET PARTS 1



Note: Only the unit and consumable parts are supplied as parts supply for the Tape mechanism.

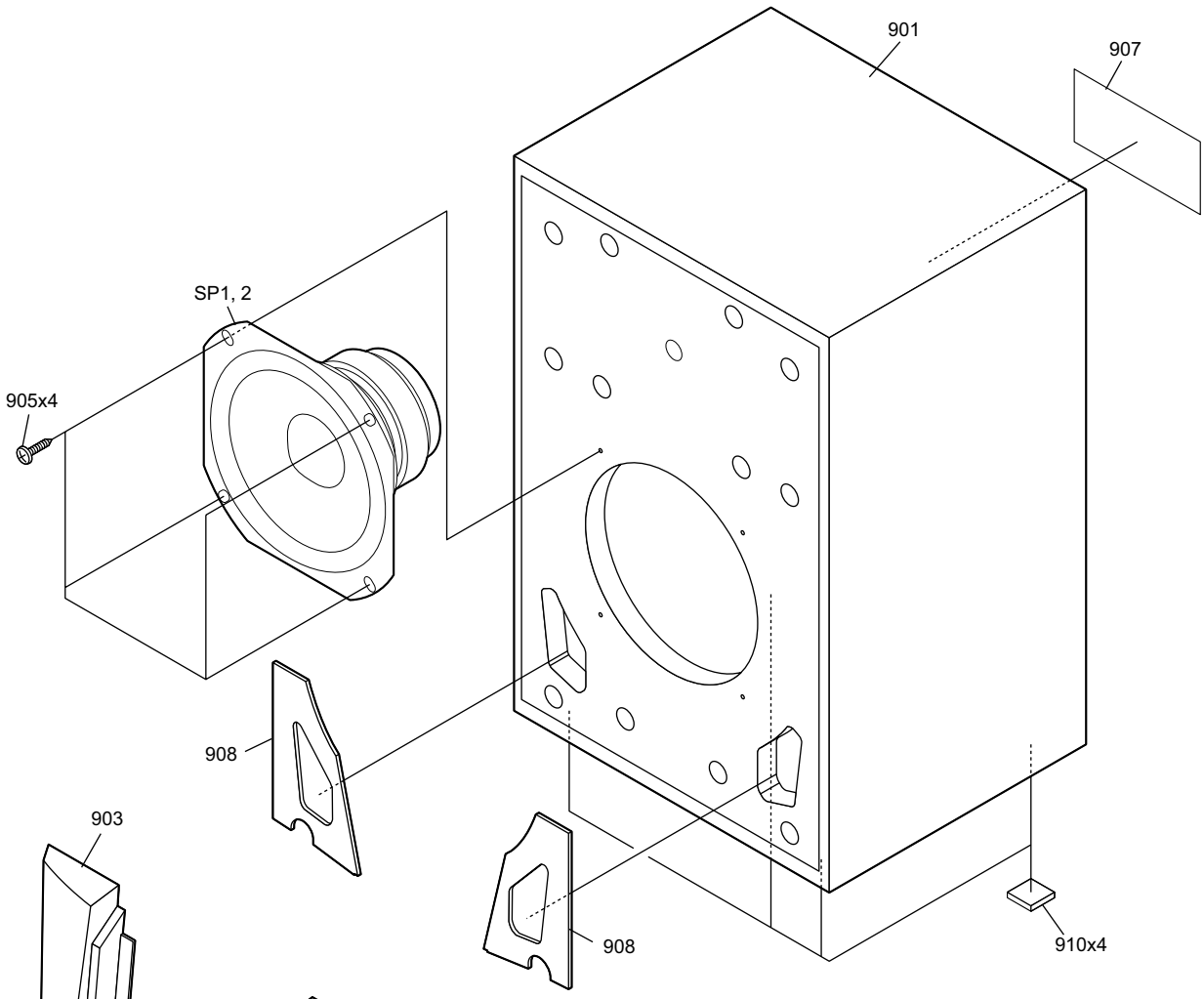
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[13] CABINET PARTS 1					
201	CCABA6243AW01	BC			Front Panel Ass'y
201- 1	--------	-			Front Panel (Not Replacement Item)
201- 2	GCOVAA082AWSA	AG			Cover,Cassette [Tape 1]
201- 3	GCOVAA083AWSA	AG			Cover,Cassette [Tape 2]
201- 4	GDORF0118AWSA	AE			Holder,Cassette [Tape 1]
201- 5	GDORF0119AWSA	AE			Holder,Cassette [Tape 2]
201- 6	HDECQA154AWSA	AF			Panel,AMP.
201- 7	JKNBZA083AWSA	AF			Button,On/Stand-by
201- 8	JKNBZA087AWSA	AE			Button,Open/Close
201- 9	JKNBZA103AWSA	AF			Button,Operation A
201-10	JKNBZA104AWSA	AF			Button,Operation B
201-11	JKNBZA086AWSA	AG			Button,Function
201-12	JKNBZA089AWSA	AC			Button,X-BASS/Equalizer
201-13	GCOVA1460AWSA	AC			Cover,Sensor
201-14	GCOVA1351AWSA	AB			Cover,Timer LED
201-15	MSPRD0151AWFJ	AB			Cassette Spring [Tape 1]
201-16	MSPRD0152AWFJ	AB			Cassette Spring [Tape 2]
201-17	MLiFP0008AWZZ	AD			Damper
201-18	HBDGB1007AWSA	AD			Badge,SHARP
201-19	JKNBZA090AWSA	AH			Button,Volume
202	CCABB6243AW01	AP			Side Panel Ass'y,Left
202- 1	--------	-			Side Panel,Left (Not Replacement Item)
202- 2	PCUSG0022AWZZ	AB			Cushion,Leg
203	CCABC6243AW01	AP			Side Panel Ass'y,Right
203- 1	--------	-			Side Panel,Right (Not Replacement Item)
203- 2	PCUSG0022AWZZ	AB			Cushion,Leg
207	GiTARA269AWSA	AM			Rear Panel [For Australia/New Zealand]
207	GiTARA290AWSA				Rear Panel [For U.K.]
208	KMECBA001AWZZ	BC			Tape Mechanism Ass'y
209	LANGK0110AWFW	AE			Bracket,Cassette Lock [Tape 1]
210	LANGK0111AWFW	AE			Bracket,Cassette Lock [Tape 2]
212	LBSHC0002AWZZ	AD			Bushing,AC Power Supply Cord
213	LCHSM0183AWFW	AN			Chassis,Main
219	LHLDZA050AWZZ	AD			Holder,FL Display
220	LHLDZ1412AWZZ	AC			Holder,LED
227	MLOKC0003AWZZ	AD			Lock Lever,Cassette [Tape 1]
228	MLOKC0004AWZZ	AD			Lock Lever,Cassette [Tape 2]
230	MSPRD0109AWFJ	AB			Spring,Cassette Lock [Tape 1]
231	MSPRD0110AWFJ	AB			Spring,Cassette Lock [Tape 2]
242	PCUSG0022AWZZ	AB			Cushion,Leg
244	PRDARA073AWFW	AV			Heat Sink
⚠ 245	QACCB0014AW00	AU			AC Power Supply Cord with CNS805
⚠ 245	QACCL0008AW00	AN			AC Power Supply Cord with CNS805
246	QCNWN1860AWZZ	AC			Lug Wire
⚠ 247	92LFSHOLD1652T	AB			Holder,Fuse
250	92LNBAND1318A	AA			Nylon Band,80mm
601	XHBSD30P06000	AA			Screw,M3x6mm
603	LX-EZ0010AWFD	AA			Screw,M3x10mm
604	XEBSD30P10000	AA			Screw,M3x10mm
605	LX-HZ0009AWFD	AC			Screw,Special
606	XHBSD26P04000	AA			Screw,M2.6x4mm
609	XHBSD40P08000	AA			Screw,M4x8mm
612	XJSSD30P10000	AA			Screw,M3x10mm
613	XESSD30P10000	AA			Screw,M3x10mm
614	LX-JZ0010AFFD	AA			Screw,M3x10mm
615	LX-JZ0036AWFD	AB			Screw,Special
616	LX-JZ0037AWFD	AB			Screw,M3x18mm
619	XJBSD30P10000	AA			Screw,M3x10mm
621	LX-JZ0044AWFF	AB			Screw,M3x10mm

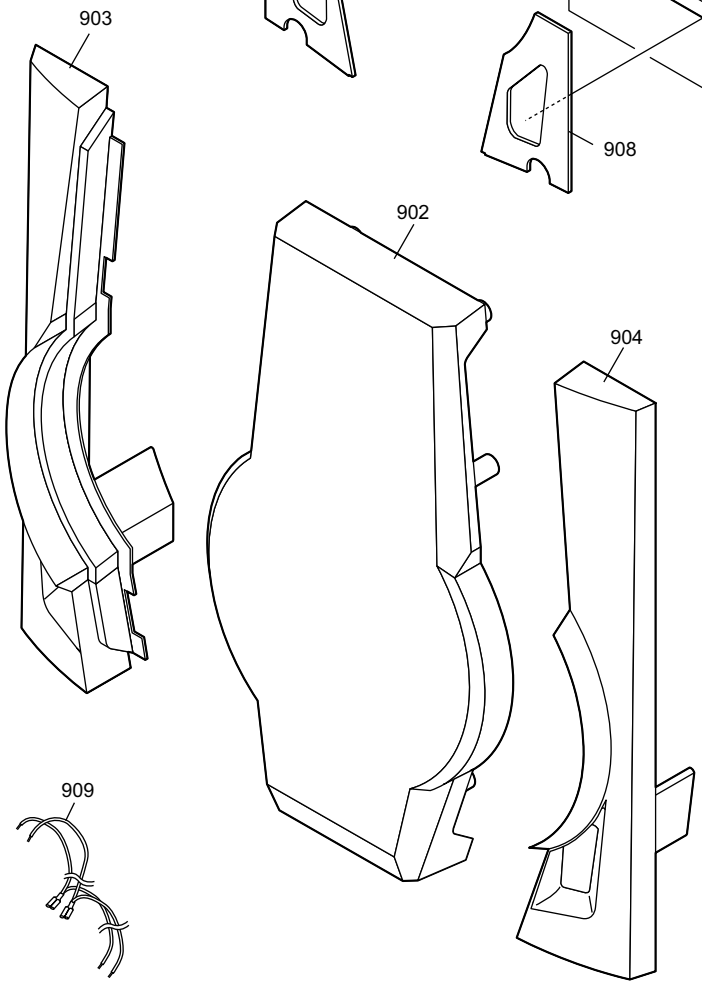
[14] CABINET PARTS 2

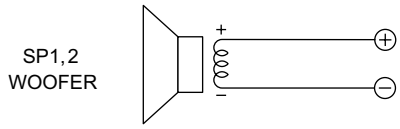


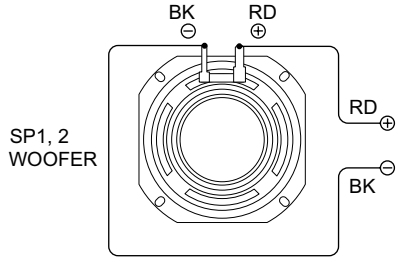
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[14] CABINET PARTS 2					
204	GCAB-1197AWZZ	AM			Loading Tray
205	GCAB-A027AWSA	AR			Top Cabinet
206	GCOVAA081AWSA	AH			Cover,CD Tray
214	LCHSM0155AWZZ	AS			Chassis,Loading
215	LHLDM1018AWZZ	AE			Stabilizer
216	LHLDZ1455AWZZ	AF			Holder,CD Mechanism
217	LHLDZ1358AWZZ	AF			Stabilizer Holder
218	LHLDZ1433AWZZ	AD			Holder,Gear
221	MCAMP0010AWZZ	AE			Gear,Cam Upper
222	MCAMP0011AWZZ	AE			Gear,Cam Lower
223	MLEVP0109AWZZ	AB			Lever,Cam Lock
224	MLEVP0110AWZZ	AB			Lever,Switch A
225	MLEVP0111AWZZ	AB			Lever,Switch B
226	MLEVP0112AWZZ	AB			Turntable Actuator
229	MSPRC0033AWFJ	AB			Spring,Friction
232	MSPRP0057AWFW	AC			Spring,Tray Lock
233	MSPRP0068AWFW	AB			Spring,Motor Gear
235	NGERH0152AWZZ	AC			Gear,Turntable Drive
236	NGERH0153AWZZ	AC			Gear,Drive
237	NGERW0020AWZZ	AC			Gear,Center
238	NGERW0021AWZZ	AC			Gear,Idler
239	NGERW0022AWZZ	AD			Gear,Worm
240	NGERW0023AWZZ	AC			Motor Gear
241	NTNT-0022AWZZ	AK			Turntable
243	PMAGF0007AWZZ	AD			Magnet
248	92LSUPT1749D	AA			Bracket,Magnet
251	92LPT0303002	AB			Roller
258	MLEVF0117AWFW	AC			Plate,Support
602	XEBSD30P12000	AA			Screw,M3x12mm
604	XEBSD30P10000	AA			Screw,M3x10mm
607	92LSC0314WBZi	AB			Screw,M3x14mm
608	XJBSD20P05000	AA			Screw,M2x5mm
617	XJBSD26P08000	AA			Screw,M2.6x8mm

[15] SPEAKER BOX PARTS





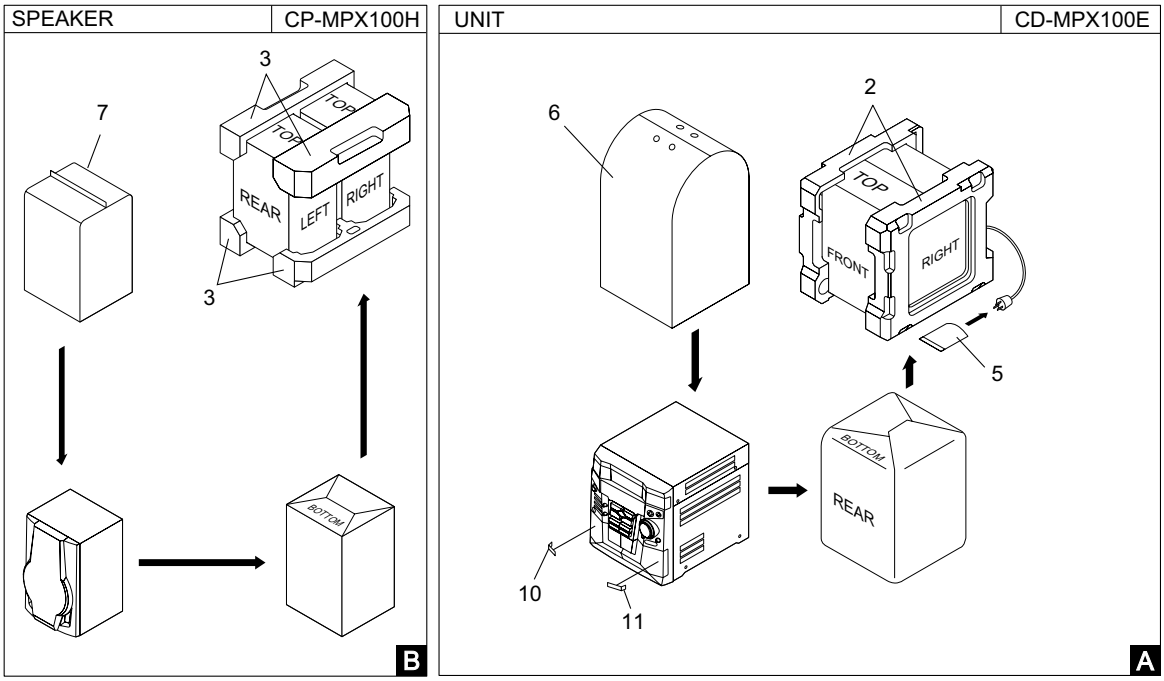


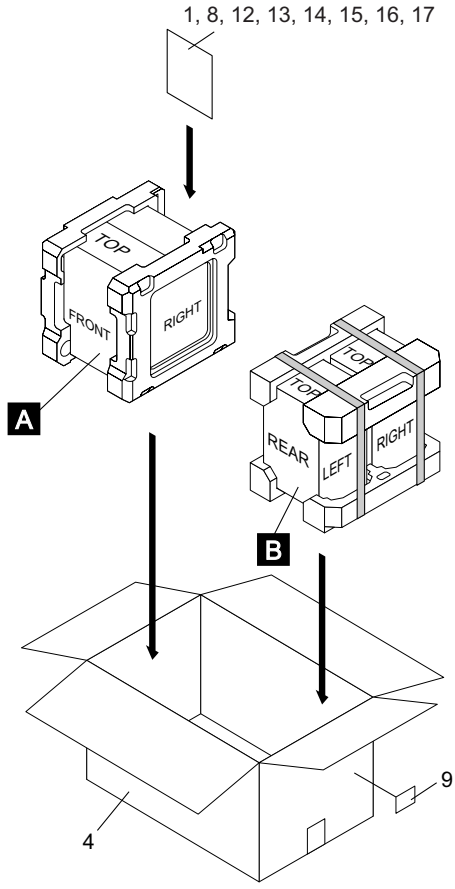


NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[15] SPEAKER BOX PARTS					
901	GBOXSA083AW01	BC			Speaker Box Ass'y
902	CWAKP1083AW03	AT			Net Frame Ass'y
903	PDUC-A026AWSA	AP			Duct Panel,Left
903	PDUC-A027AWSA	AP			Duct Panel,Right
904	XMBSN40P12000	AB			Screw,M4x12mm
906	TSPC-A361AWZZ	AC			Label,Specifications
907	PCUSZ0049AWZZ	AB			Port Cushion
908	QCNWNA340AWPZ				Speaker Cord Ass'y
909	PCUSG0022AWZZ	AB			Cushion,Leg
SP1	RSP-ZA111AWZZ	AY			Woofer
SP2	RSP-ZA111AWZZ	AY			Woofer

[16] ACCESSORIES/PACKING PARTS

1. AM Loop Antenna	QANTL0001AWZZ	10. Label, Feature [Tape 1]	TLABZA251AWZZ
2. Packing Add., Left/Right	SPAKA0417AWZZ	11. Label, Feature [Tape 2]	TLANZA252AWZZ
3. Packing Add., Top/Bottom, Speaker	SPAKA0434AWZZ	12. Polyethylene Bag, Accessories	92LBAG1460C1
4. Packing Case	SPAKCA244AWZZ	13. FM Antenna	92LFANT1746A
5. Polyethylene Bag, AC Power supply Cord	SPAKP0026AWZZ	14. Remote Control	RRMCGA045AWSA
		15. Quick Guide	TiNSEA092AWZZ
6. Polyethylene Bag, Unit	SPAKP0032AWZZ	16. Warranty Card	TGAN-3170UMZZ
7. Polyethylene Bag, Speaker	SSAKH0126AWZZ	17. Battery	
8. Operation Manual	TiNSEA093AWZZ		
9. Label, Bar Code	TLABZA251AWZZ		





NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[16] ACCESSORIES/PACKING PARTS					
1	QANTL0001AWZZ	AL			AM Loop Antenna
2	SPAKA0417AWZZ	AL			Packing Add.,Left/Right
3	SPAKA0434AWZZ	AK			Packing Add.,Top/Bottom,Speaker
4	SPAKCA244AWZZ	AU			Packing Case
5	SPAKP0026AWZZ	AB			Polyethylene Bag,AC Power Supply Cord
6	SPAKP0032AWZZ	AF			Polyethylene Bag,Unit
7	SSAKH0126AWZZ	AG			Polyethylene Bag,Speaker
8	TiNSEA091AWZZ	AE			Operation Manual [For Australia/New Zealand]
8	TiNSEA093AWZZ				Operation Manual [For U.K.]
9	TLABEA122AWZZ	AB			Label,Bar Code
10	TLABZA251AWZZ	AC			Label,Feature [Tape 1]
11	TLABZA252AWZZ	AC			Label,Feature [Tape 2]
12	92LBAG1460C1	AB			Polyethylene Bag,Accessories
13	92LFANT1746A	AD			FM Antenna
14	RRMCGA045AWSA	AQ			Remote Control
14- 1	GFTAT1017AWSA	AG			Battery Lid,Remote Control
15	TiNSEA092AWZZ				Quick Gide [For U.K. Only]
16	TGAN-3170UMZZ	AE			Warranty Card [For U.K. Only]
17	--------	-			Battery (Not Replacement Item)
[17] P.W.B. ASSEMBLY (Not Replacement Item)					
PWB-A	92LPWB6295MANS	-			Main (A1)/Display (A2)/Headphones (A3) (Combined Ass'y)
⚠ PWB-B	92LPWB6295PWRS	-			Power (B1)/Transformer (B2) (Combined Ass'y)
PWB-C	92LPWB6243CDUS	-			CD MP3
PWB-D	QPWBF0027AWZZ	AD			CD Motor (PWB Only)
PWB-E	QPWBF0749AWZZ	AD			CD Loading Motor (PWB Only)
PWB-F	--------	-			Tape Mechanism
[18] OTHER SERVICE PART					
	UDSKA0004AFZZ	AZ			CD Pickup Lens Cleaner

■INDEX

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
【 C 】				
CCABA6243AW01	13-201	BC		
CCABB6243AW01	13-202	AP		
CCABC6243AW01	13-203	AP		
CWAKP1083AW03	15-902	AT		
【 G 】				
GBÖXSA083AW01	15-901	BC		
GCAB-1197AWZZ	14-204	AM		
GCAB-A027AWSA	14-205	AR		
GCÖVA1351AWSA	13-201-14	AB		
GCÖVA1460AWSA	13-201-13	AC		
GCÖVAA081AWSA	14-206	AH		
GCÖVAA082AWSA	13-201- 2	AG		
GCÖVAA083AWSA	13-201- 3	AG		
GDÖRF0118AWSA	13-201- 4	AE		
GDÖRF0119AWSA	13-201- 5	AE		
GFTAT1017AWSA	16-14- 1	AG		
GiTARA269AWSA	13-207	AM		
GiTARA290AWSA	13-207			
【 H 】				
HBDGB1007AWSA	13-201-18	AD		
HDECQA154AWSA	13-201- 6	AF		
【 J 】				
JKNBZA083AWSA	13-201- 7	AF		
JKNBZA086AWSA	13-201-11	AG		
JKNBZA087AWSA	13-201- 8	AE		
JKNBZA089AWSA	13-201-12	AC		
JKNBZA090AWSA	13-201-19	AH		
JKNBZA103AWSA	13-201- 9	AF		
JKNBZA104AWSA	13-201-10	AF		
【 K 】				
KMECBA001AWZZ	13-208	BC		
【 L 】				
LANGK0110AWFW	13-209	AE		
LANGK0111AWFW	13-210	AE		
LBSHC0002AWZZ	13-212	AD		
LCHSM0155AWZZ	14-214	AS		
LCHSM0183AWFW	13-213	AN		
LHLDM1018AWZZ	14-215	AE		
LHLDZ1358AWZZ	14-217	AF		
LHLDZ1412AWZZ	13-220	AC		
LHLDZ1433AWZZ	14-218	AD		
LHLDZ1455AWZZ	14-216	AF		
LHLDZA050AWZZ	13-219	AD		
LX-EZ0010AWFD	13-603	AA		
LX-HZ0009AWFD	13-605	AC		
LX-JZ0010AFFD	13-614	AA		
LX-JZ0036AWFD	13-615	AB		
LX-JZ0037AWFD	13-616	AB		
LX-JZ0044AWFF	13-621	AB		
LX-WZ1070AFZZ	12-704	AA		
【 M 】				
MCAMP0010AWZZ	14-221	AE		
MCAMP0011AWZZ	14-222	AE		
MLEVF0117AWFW	14-258	AC		
MLEVP0080AWZZ	12-303	AC		
MLEVP0109AWZZ	14-223	AB		
MLEVP0110AWZZ	14-224	AB		
MLEVP0111AWZZ	14-225	AB		
MLEVP0112AWZZ	14-226	AB		
MLiFP0008AWZZ	13-201-17	AD		
MLÖKC0003AWZZ	13-227	AD		
MLÖKC0004AWZZ	13-228	AD		
MSPRC0033AWFJ	14-229	AB		
MSPRC0961AFZZ	12-306- 3	AA		
MSPRD0109AWFJ	13-230	AB		
MSPRD0110AWFJ	13-231	AB		
MSPRD0151AWFJ	13-201-15	AB		
MSPRD0152AWFJ	13-201-16	AB		
MSPRP0057AWFW	14-232	AC		
MSPRP0068AWFW	14-233	AB		
【 N 】				
NGERH0011AWZZ	12-301	AC		
NGERH0012AWZZ	12-302	AC		
NGERH0152AWZZ	14-235	AC		
NGERH0153AWZZ	14-236	AC		
NGERR0043AFZZ	12-306- 2	AC		
NGERW0020AWZZ	14-237	AC		
NGERW0021AWZZ	14-238	AC		
NGERW0022AWZZ	14-239	AD		
NGERW0023AWZZ	14-240	AC		
NSFTM0020AWFW	12-304	AD		
NTNT-0022AWZZ	14-241	AK		
【 P 】				
PCUSG0022AWZZ	13-242	AB		
〃	13-202- 2	AB		
〃	13-203- 2	AB		
〃	15-909	AB		
PCUSZ0049AWZZ	15-907	AB		
PDUC-A026AWSA	15-903	AP		
PDUC-A027AWSA	15-903	AP		
PMAGF0007AWZZ	14-243	AD		
PRDARA073AWFW	13-244	AV		
【 Q 】				
QACCB0014AW00	13-245	AU		
QACCL0008AW00	13-245	AN		
QANTL0001AWZZ	16-1	AL		
QCNCM049BAWZZ	11-CNP805	AC		
QCNCM704GAFZZ	11-CNP6	AC		
QCNCM705CAFZZ	11-CNP101	AA		
QCNCM705FAFZZ	11-CNP4	AB		
QCNCM705GAFZZ	11-CNP102	AB		
QCNCW012EAWZZ	11-CNP705	AC		
QCNCW012FAWZZ	11-CNP802	AC		
QCNCW019EAWZZ	11-WTM901	AB		
QCNCW019FAWZZ	11-WTM705	AB		
QCNCWYP16AWZZ	11-CNP1	AD		
QCNCWZX10AWZZ	11-CNP704	AC		
QCNCWZX16AWZZ	11-CNP701B	AD		
QCNCWZY07AWZZ	11-CNP702A	AC		
QCNCWZY10AWZZ	11-CNP7	AC		
QCNCWZY16AWZZ	11-CNP701A	AD		
QCNWN1539AWZZ	11-CNS2A	AE		
QCNWN1572AWZZ	11-Bi4	AF		
QCNWN1860AWZZ	13-246	AC		
QCNWN2470AWZZ	11-FW901	AC		
QCNWN2471AWZZ	11-FFC701	AF		
QCNWN2495AWZZ	11-FFC702	AD		
QCNWN2562AWZZ	11-FW705	AD		
QCNWNA261AWPZ	11-Bi601	AG		
QCNWNA262AWPZ	11-Bi801	AG		
QCNWNA263AWPZ	11-FFC7	AE		
QCNWNA264AWPZ	11-Bi705	AF		
QCNWNA265AWPZ	11-FFC1	AD		
QCNWNA340AWPZ	15-908			
QFS-D202ABGNi	11-F803	AC		
〃	11-F804	AC		
QFS-D322ABGNi	11-F801	AE		
〃	11-F802	AE		
QJAKM0004AWZZ	11-JK701	AK		
QLUGP0001AWZZ	11-LUG1	AC		
〃	11-LUG2	AC		
〃	11-LUG3	AC		
〃	11-LUG4	AC		
QPWBF0027AWZZ	17-PWB-D	AD		
QPWBF0749AWZZ	17-PWB-E	AD		
QSÖCJ0224AWZZ	11-JK690	AC		
QSW-F9001AW01	11-SW4	AD		
〃	12-SW4	AD		
QSW-M0012AWZZ	11-SW1	AM		
〃	11-SW2	AM		
〃	11-SW3	AM		
QTANA0423AWZZ	11-SÖ901	AE		
【 R 】				
RC-EZ0004AWZZ	9-C6	AD		
RC-EZY105AF1H	9-C25	AB		
〃	9-C35	AB		
RC-EZY106AF1H	9-C41	AB		
〃	9-C42	AB		
RC-EZY107AF1A	9-C27	AB		
〃	9-C29	AB		
〃	9-C36	AB		
RCiLA0052AWZZ	5-T303	AE		
RCiLB0067AWZZ	5-T306	AD		
RCiLBA001AWZZ	5-T301	AC		
RCiLi0017AWZZ	5-T302	AB		
RCiLi0019AWZZ	5-T351	AD		
RCiLR0056AWZZ	6-L312	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
RCiLZ0137AFZZ	6-L901	AA		
〃	6-L902	AA		
RCiLZA016AWZZ	6-L841	AF		
RCiLZA017AWZZ	6-L920	AB		
〃	6-L921	AB		
RCRM-0047AWZZ	8-XL1	AE		
RCRSP0019AWZZ	8-X352	AF		
RCRSP0029AWZZ	8-XL701	AF		
RFiLA0009AWZZ	4-CF352	AE		
RFiLF0003AWZZ	4-CF351	AK		
RFiLF0124AFZZ	4-CF303	AD		
RFiLR0008AWZZ	4-BF301	AE		
RH-iXA057AWZZ	1-iC701	AY		
RMOTV0373AFZZ	11-M3	AL		
RRLYD0016AWZZ	11-RL914	AH		
RRMCGA045AWSA	16-14	AQ		
RSP-ZA111AWZZ	15-SP1	AY		
〃	15-SP2	AY		
RTRNP0476AWZZ	5-PT801	AY		
【 S 】				
SPAKA0417AWZZ	16-2	AL		
SPAKA0434AWZZ	16-3	AK		
SPAKCA244AWZZ	16-4	AU		
SPAKP0026AWZZ	16-5	AB		
SPAKP0032AWZZ	16-6	AF		
SSAKH0126AWZZ	16-7	AG		
【 T 】				
TGAN-3170UMZZ	16-16	AE		
TiNSEA091AWZZ	16-8	AE		
TiNSEA092AWZZ	16-15			
TiNSEA093AWZZ	16-8			
TLABEA122AWZZ	16-9	AB		
TLABZA251AWZZ	16-10	AC		
TLABZA252AWZZ	16-11	AC		
TSPC-A361AWZZ	15-906	AC		
【 U 】				
UDSKA0004AFZZ	18-	AZ		
【 V 】				
VCCCCY1HH100D	9-C303	AA		
VCCCCY1HH101J	9-C50	AA		
〃	9-C51	AA		
〃	9-C52	AA		
〃	9-C53	AA		
〃	9-C55	AA		
〃	9-C56	AA		
VCCCCY1HH120J	9-C381	AA		
VCCCCY1HH150J	9-C310	AA		
〃	9-C330	AA		
〃	9-C382	AA		
VCCCCY1HH180J	9-C311	AA		
〃	9-C707	AA		
〃	9-C708	AA		
VCCCCY1HH181J	9-C104	AA		
VCCCCY1HH220J	9-C313	AA		
〃	9-C334	AA		
〃	9-C355	AA		
VCCCCY1HH270J	9-C369	AA		
VCCCCY1HH3R0C	9-C905	AA		
〃	9-C906	AA		
VCCCCY1HH471J	9-C907	AA		
〃	9-C908	AA		
VCCCCY1HH4R7C	9-C305	AA		
〃	9-C308	AA		
〃	9-C324	AA		
VCCSBT1HL470J	9-C383	AA		
VCEAZA0JW108M	9-C10	AC		
VCEAZA1AW107M	9-C1	AB		
〃	9-C3	AB		
〃	9-C11	AB		
〃	9-C20	AB		
〃	9-C57	AB		
〃	9-C396	AB		
〃	9-C398	AB		
VCEAZA1AW227M	9-C134	AC		
〃	9-C702	AC		
VCEAZA1AW476M	9-C8	AB		
VCEAZA1AW477M	9-C22	AC		
〃	9-C46	AC		
VCEAZA1CW106M	9-C307	AC		
VCEAZA1CW107M	9-C141	AC		
VCEAZA1CW227M	9-C601	AC		
VCEAZA1EW107M	9-C111	AB		

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〃	9-C112	AB		
VCEAZA1EW476M	9-C5	AB		
〃	9-C117	AB		
〃	9-C118	AB		
〃	9-C131	AB		
〃	9-C132	AB		
〃	9-C140	AB		
〃	9-C150	AB		
〃	9-C391	AB		
〃	9-C394	AB		
〃	9-C710	AB		
VCEAZA1HW104M	9-C950	AB		
VCEAZA1HW105M	9-C358	AB		
〃	9-C367	AB		
〃	9-C368	AB		
〃	9-C370	AB		
〃	9-C371	AB		
〃	9-C372	AB		
〃	9-C393	AB		
〃	9-C609	AB		
〃	9-C610	AB		
〃	9-C613	AB		
〃	9-C614	AB		
〃	9-C617	AB		
〃	9-C618	AB		
〃	9-C619	AB		
〃	9-C620	AB		
〃	9-C621	AB		
〃	9-C622	AB		
〃	9-C623	AB		
〃	9-C624	AB		
〃	9-C701	AB		
〃	9-C721	AB		
VCEAZA1HW106M	9-C352	AB		
〃	9-C380	AB		
〃	9-C865	AB		
〃	9-C915	AB		
〃	9-C916	AB		
VCEAZA1HW224M	9-C901	AB		
〃	9-C902	AB		
VCEAZA1HW225M	9-C357	AB		
〃	9-C362	AB		
〃	9-C364	AB		
VCEAZA1HW226M	9-C125	AB		
〃	9-C126	AB		
〃	9-C133	AB		
〃	9-C603	AB		
〃	9-C863	AB		
〃	9-C909	AB		
〃	9-C910	AB		
VCEAZA1HW335M	9-C143	AB		
〃	9-C712	AB		
VCEAZA1HW475M	9-C615	AB		
〃	9-C616	AB		
VCEAZA1HW476M	9-C802	AB		
〃	9-C803	AB		
VCEAZA1JW107M	9-C913	AC		
〃	9-C914	AC		
VCEAZA1JW227M	9-C804	AD		
VCEAZA1VW107M	9-C801	AC		
VCEAZA2AW226M	9-C805	AC		
VCEAZW1EW338M	9-C856	AG		
VCEAZW1VW228M	9-C948	AH		
〃	9-C949	AH		
VCFYFA1HA104J	9-C607	AC		
〃	9-C608	AC		
VCFYFA1HA224J	9-C926	AC		
〃	9-C927	AC		
〃	9-C928	AC		
〃	9-C929	AC		
〃	9-C932	AC		
VCKYBT1HB101K	9-C318	AA		
VCKYBT1HB102K	9-C320	AA		
〃	9-C389	AA		
〃	9-C390	AA		
VCKYBT1HB181K	9-C103	AA		
VCKYCY1CB104K	9-C19	AB		
〃	9-C23	AB		
〃	9-C24	AB		
〃	9-C28	AB		
〃	9-C30	AB		
〃	9-C31	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-C32	AB		
〃	9-C33	AB		
〃	9-C34	AB		
〃	9-C45	AB		
VCKYCY1CB563K	9-C15	AB		
〃	9-C17	AB		
VCKYCY1EF223Z	9-C49	AB		
〃	9-C59	AB		
〃	9-C121	AB		
〃	9-C135	AB		
〃	9-C306	AB		
〃	9-C312	AB		
〃	9-C316	AB		
〃	9-C323	AB		
〃	9-C332	AB		
〃	9-C342	AB		
〃	9-C347	AB		
〃	9-C350	AB		
〃	9-C351	AB		
〃	9-C353	AB		
〃	9-C354	AB		
〃	9-C361	AB		
〃	9-C363	AB		
〃	9-C387	AB		
〃	9-C395	AB		
〃	9-C397	AB		
〃	9-C399	AB		
〃	9-C602	AB		
〃	9-C704	AB		
〃	9-C709	AB		
〃	9-C716	AB		
〃	9-C732	AB		
VCKYCY1EF473Z	9-C14	AB		
〃	9-C26	AB		
〃	9-C47	AB		
〃	9-C714	AB		
〃	9-C731	AB		
VCKYCY1HB102K	9-C7	AA		
〃	9-C302	AA		
〃	9-C309	AA		
〃	9-C317	AA		
〃	9-C338	AA		
〃	9-C356	AA		
〃	9-C366	AA		
〃	9-C384	AA		
〃	9-C392	AA		
〃	9-C628	AA		
〃	9-C629	AA		
〃	9-C630	AA		
〃	9-C633	AA		
〃	9-C699	AA		
〃	9-C718	AA		
〃	9-C719	AA		
〃	9-C903	AA		
〃	9-C904	AA		
〃	9-C951	AA		
VCKYCY1HB103K	9-C9	AA		
〃	9-C13	AA		
〃	9-C16	AA		
〃	9-C18	AA		
〃	9-C48	AA		
〃	9-C304	AA		
〃	9-C315	AA		
〃	9-C58A	AA		
〃	9-C713	AA		
〃	9-C715	AA		
VCKYCY1HB221K	9-C651	AA		
〃	9-C652	AA		
〃	9-C653	AA		
VCKYCY1HB222K	9-C119	AA		
〃	9-C627	AA		
VCKYCY1HB271K	9-C123	AA		
〃	9-C124	AA		
VCKYCY1HB272K	9-C611	AA		
〃	9-C612	AA		
VCKYCY1HB331K	9-C386	AA		
VCKYCY1HB332K	9-C129	AA		
〃	9-C130	AA		
VCKYCY1HB391K	9-C691	AA		
VCKYCY1HB472K	9-C12	AA		
VCKYCY1HB561K	9-C101	AA		
〃	9-C102	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-C105	AA		
〃	9-C106	AA		
〃	9-C115	AA		
〃	9-C116	AA		
〃	9-C335	AA		
〃	9-C626	AA		
VCKYCY1HF103Z	9-C385	AB		
VCKYPA1HB102K	9-C388	AA		
〃	9-C942	AA		
〃	9-C943	AA		
VCKYPA1HB222K	9-C120	AA		
VCKYPA1HB391K	9-C690	AA		
VCKYPA1HB561K	9-C625	AA		
VCKYPA1HF103Z	9-C4	AB		
VCKYPA1HF223Z	9-C934	AB		
〃	9-C935	AB		
〃	9-C936	AB		
〃	9-C937	AB		
〃	9-C938	AB		
〃	9-C939	AB		
〃	9-C940	AB		
〃	9-C941	AB		
VCKYTV1HB102K	9-C2A	AA		
VCKYTV1HF223Z	9-C54A	AA		
VCKZPA1HF103Z	9-C911	AA		
〃	9-C912	AA		
VCKZPA1HF223Z	9-C861	AA		
VCKZPA1HF473Z	9-C331	AA		
〃	9-C706	AA		
VCQPKA2AA822J	9-C138	AA		
VCQYKA1HM102K	9-C58	AA		
VCQYKA1HM104K	9-C21	AB		
〃	9-C605	AB		
〃	9-C606	AB		
〃	9-C806	AB		
〃	9-C807	AB		
〃	9-C808	AB		
〃	9-C809	AB		
〃	9-C851	AB		
〃	9-C854	AB		
〃	9-C855	AB		
〃	9-C858	AB		
〃	9-C859	AB		
〃	9-C864	AB		
VCQYKA1HM152K	9-C43	AB		
〃	9-C44	AB		
VCQYKA1HM393K	9-C139	AB		
VCQYKA1HM473K	9-C137	AB		
VCTYBT1EF223Z	9-C730	AA		
VCTYPA1CX153K	9-C373	AA		
〃	9-C374	AA		
VCTYPA1CX223K	9-C127	AA		
〃	9-C128	AA		
〃	9-C365	AA		
VCTYPA1EX333K	9-C113	AA		
〃	9-C114	AA		
VHCSVC230C/-1	7-VD302	AD		
〃	7-VD303	AD		
VHCSVC347S/-1	7-VD301	AG		
VHD1N4148H/-1	3-D301	AA		
〃	3-D302	AA		
〃	3-D305	AA		
〃	3-D601	AA		
〃	3-D702	AA		
〃	3-D704	AA		
〃	3-D706	AA		
〃	3-D707	AA		
〃	3-D708	AA		
〃	3-D709	AA		
〃	3-D710	AA		
〃	3-D711	AA		
〃	3-D712	AA		
〃	3-D713	AA		
〃	3-D851	AA		
〃	3-D852	AA		
〃	3-D856	AA		
〃	3-D857	AA		
〃	3-D858	AA		
〃	3-D859	AA		
〃	3-D905	AA		
〃	3-D906	AA		
〃	3-D911	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VHDD3SBA60F-1	3-D802	AG		
VHDDS1N404S-1	3-D803	AB		
〃	3-D804	AB		
〃	3-D805	AB		
〃	3-D806	AB		
VHEDZ300BSB-1	3-ZD803	AB		
VHEDZ5R1BSB-1	3-ZD351	AC		
VHEDZ6R2BSA-1	3-ZD801	AB		
VHEDZ6R8BSA-1	3-ZD802	AC		
VHEDZ8R2BSB-1	3-ZD852	AB		
VHiAN7345K/-1	1-iC101	AM		
VHiKiA7805AP1	1-iC853	AF		
VHiKiA7810AP1	1-iC852	AF		
VHiKiA7812AP1	1-iC851	AF		
VHiKiA78L05-1	1-iC854	AF		
VHiLA1832S/-1	1-iC303	AN		
VHiLA6261//-1	1-iC2	AN		
VHiLC72131/-1	1-iC302	AP		
VHiLC75341/-1	1-iC601	AM		
VHiLC78690E-1	1-iC1	BE		
VHiSTK43205-1	1-iC901	AT		
VHiTA7358AP-1	1-iC301	AG		
VHLK603TH2E-1	11-RX701	AG		
VHPSLR342VCJ1	3-LED702	AC		
VP-DH101K0000	6-L351	AB		
〃	6-L352	AB		
〃	6-L701	AB		
VP-MK331K0000	6-L103	AB		
VRD-RT2HD221J	10-R942	AA		
〃	10-R943	AA		
VRD-RT2HD222J	10-R808	AA		
VRD-RT2HD820J	10-R142	AA		
VRD-ST2CD100J	10-R8	AA		
VRD-ST2CD101J	10-R778	AA		
VRD-ST2CD102J	10-R9	AA		
〃	10-R26	AA		
〃	10-R33	AA		
〃	10-R34	AA		
〃	10-R35	AA		
〃	10-R36	AA		
〃	10-R37	AA		
〃	10-R38	AA		
〃	10-R39	AA		
〃	10-R41	AA		
〃	10-R42	AA		
〃	10-R393	AA		
〃	10-R601	AA		
〃	10-R602	AA		
〃	10-R603	AA		
〃	10-R701	AA		
〃	10-R702	AA		
〃	10-R703	AA		
〃	10-R704	AA		
〃	10-R705	AA		
〃	10-R706	AA		
〃	10-R708	AA		
〃	10-R709	AA		
〃	10-R710	AA		
〃	10-R711	AA		
〃	10-R712	AA		
〃	10-R714	AA		
〃	10-R717	AA		
〃	10-R718	AA		
〃	10-R719	AA		
〃	10-R720	AA		
〃	10-R721	AA		
〃	10-R722	AA		
〃	10-R723	AA		
〃	10-R724	AA		
〃	10-R725	AA		
〃	10-R729	AA		
〃	10-R733	AA		
〃	10-R741	AA		
〃	10-R742	AA		
〃	10-R743	AA		
〃	10-R744	AA		
〃	10-R745	AA		
〃	10-R746	AA		
〃	10-R909	AA		
〃	10-R910	AA		
〃	10-RD03	AA		
〃	10-RD21	AA		

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VRD-ST2CD103J	10-R12	AA		
〃	10-R15	AA		
〃	10-R138	AA		
〃	10-R309	AA		
〃	10-R361	AA		
〃	10-R362	AA		
〃	10-R604	AA		
〃	10-R605	AA		
〃	10-R752	AA		
〃	10-R753	AA		
〃	10-R760	AA		
〃	10-R761	AA		
〃	10-R762	AA		
〃	10-R763	AA		
〃	10-R791	AA		
〃	10-R792	AA		
〃	10-R793	AA		
〃	10-R794	AA		
〃	10-R795	AA		
〃	10-R796	AA		
〃	10-R797	AA		
〃	10-R852	AA		
VRD-ST2CD104J	10-R787	AA		
〃	10-R801	AA		
VRD-ST2CD123J	10-R803	AA		
VRD-ST2CD152J	10-RD04	AA		
〃	10-RD13	AA		
VRD-ST2CD153J	10-R111	AA		
VRD-ST2CD1R0J	10-R29	AA		
VRD-ST2CD220J	10-R314	AA		
VRD-ST2CD221J	10-R713	AA		
〃	10-R715	AA		
〃	10-R716	AA		
VRD-ST2CD222J	10-R11	AA		
〃	10-R610	AA		
〃	10-R611	AA		
〃	10-R731	AA		
〃	10-R915	AA		
〃	10-R916	AA		
〃	10-RD05	AA		
〃	10-RD14	AA		
〃	10-RD23	AA		
VRD-ST2CD223J	10-R386	AA		
〃	10-R853	AA		
〃	10-R854	AA		
〃	10-R859	AA		
〃	10-R925	AA		
〃	10-R926	AA		
〃	10-R927	AA		
VRD-ST2CD224J	10-R136	AA		
〃	10-R137	AA		
VRD-ST2CD271J	10-R609	AA		
〃	10-R923	AA		
〃	10-R924	AA		
VRD-ST2CD272J	10-RD06	AA		
〃	10-RD15	AA		
VRD-ST2CD330J	10-R17	AA		
VRD-ST2CD331J	10-R618	AA		
〃	10-R619	AA		
〃	10-R788	AA		
VRD-ST2CD332J	10-R358	AA		
〃	10-R607	AA		
VRD-ST2CD392J	10-R64	AA		
〃	10-R66	AA		
〃	10-RD16	AA		
VRD-ST2CD470J	10-R7	AA		
VRD-ST2CD471J	10-R375	AA		
VRD-ST2CD472J	10-R141	AA		
〃	10-R769	AA		
VRD-ST2CD473J	10-R750	AA		
〃	10-R802	AA		
〃	10-R806	AA		
〃	10-R946	AA		
VRD-ST2CD4R7J	10-R145	AA		
VRD-ST2CD560J	10-R115	AA		
〃	10-R116	AA		
VRD-ST2CD561J	10-R728	AA		
VRD-ST2CD562J	10-R122	AA		
〃	10-R384	AA		
〃	10-R387	AA		
〃	10-R690	AA		
VRD-ST2CD681J	10-R23	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-R24	AA		
〃	10-R730	AA		
〃	10-R732	AA		
〃	10-RD01	AA		
〃	10-RD10	AA		
〃	10-RD19	AA		
VRD-ST2CD682J	10-R19	AA		
〃	10-R21	AA		
〃	10-R22	AA		
VRD-ST2CD683J	10-R25	AA		
〃	10-R692	AA		
VRD-ST2CD820J	10-R27	AA		
〃	10-R32	AA		
〃	10-R52	AA		
VRD-ST2CD821J	10-RD02	AA		
〃	10-RD11	AA		
〃	10-RD20	AA		
VRD-ST2CD822J	10-R20	AA		
VRD-ST2EE100J	10-R807	AA		
VRD-ST2EE151J	10-R149	AA		
〃	10-R382	AA		
VRD-ST2EE1R0J	10-R53	AA		
〃	10-R54	AA		
VRD-ST2EE1R5J	10-R747	AA		
〃	10-R786	AA		
VRD-ST2EE221J	10-R158	AA		
〃	10-R860	AA		
VRD-ST2EE271J	10-R391	AA		
〃	10-R392	AA		
VRD-ST2EE470J	10-R804	AA		
〃	10-R805	AA		
VRD-ST2EE4R7J	10-R940	AA		
〃	10-R941	AA		
VRD-ST2EE6R8J	10-R952	AA		
〃	10-R953	AA		
〃	10-R954	AA		
〃	10-R955	AA		
VRG-ST2EC101J	10-R921	AB		
〃	10-R922	AB		
VRN-VV3AAR10J	10-R913	AB		
〃	10-R914	AB		
VRN-VV3DAR22J	10-R917	AC		
〃	10-R918	AC		
VRS-CY1JB000J	10-R47	AA		
〃	10-R327	AA		
VRS-CY1JB100J	10-R302	AA		
VRS-CY1JB101J	10-R132	AA		
〃	10-R133	AA		
VRS-CY1JB102J	10-R40	AA		
〃	10-R151	AA		
〃	10-R152	AA		
〃	10-R352	AA		
〃	10-R356	AA		
〃	10-R372	AA		
〃	10-R373	AA		
〃	10-R374	AA		
〃	10-R376	AA		
〃	10-R378	AA		
〃	10-R903	AA		
〃	10-R904	AA		
〃	10-RD12	AA		
VRS-CY1JB103J	10-R50	AA		
〃	10-R51	AA		
〃	10-R134	AA		
〃	10-R135	AA		
〃	10-R139	AA		
〃	10-R336	AA		
〃	10-R365	AA		
〃	10-R381	AA		
〃	10-R770	AA		
〃	10-R771	AA		
〃	10-R772	AA		
〃	10-R774	AA		
〃	10-R775	AA		
VRS-CY1JB104J	10-R117	AA		
〃	10-R118	AA		
〃	10-R311	AA		
〃	10-R777	AA		
VRS-CY1JB123J	10-R123	AA		
〃	10-R124	AA		
VRS-CY1JB151J	10-R45	AA		
VRS-CY1JB152J	10-R130	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-R131	AA		
〃	10-R380	AA		
〃	10-RD22	AA		
VRS-CY1JB153J	10-R112	AA		
〃	10-R126	AA		
〃	10-R127	AA		
VRS-CY1JB182J	10-R63	AA		
〃	10-R65	AA		
〃	10-R359	AA		
VRS-CY1JB1R0J	10-R18	AA		
VRS-CY1JB222J	10-R48	AA		
〃	10-R49	AA		
〃	10-R103	AA		
〃	10-R104	AA		
〃	10-R379	AA		
VRS-CY1JB223J	10-R46	AA		
〃	10-R144	AA		
VRS-CY1JB225J	10-R67	AA		
VRS-CY1JB271J	10-R30	AA		
〃	10-R353	AA		
〃	10-R608	AA		
VRS-CY1JB272J	10-R350	AA		
〃	10-R363	AA		
〃	10-R364	AA		
VRS-CY1JB331J	10-R16	AA		
VRS-CY1JB332J	10-R44	AA		
〃	10-R101	AA		
〃	10-R102	AA		
〃	10-R105	AA		
〃	10-R106	AA		
〃	10-R113	AA		
〃	10-R114	AA		
〃	10-R355	AA		
〃	10-R606	AA		
VRS-CY1JB333J	10-R313	AA		
VRS-CY1JB391J	10-R612	AA		
〃	10-R613	AA		
VRS-CY1JB392J	10-R119	AA		
〃	10-R120	AA		
〃	10-R388	AA		
VRS-CY1JB472J	10-R28	AA		
〃	10-R55	AA		
〃	10-R109	AA		
〃	10-R110	AA		
〃	10-R148	AA		
〃	10-R316	AA		
〃	10-R360	AA		
〃	10-R614	AA		
〃	10-R615	AA		
〃	10-R757	AA		
〃	10-R758	AA		
VRS-CY1JB473J	10-R107	AA		
〃	10-R108	AA		
〃	10-R140	AA		
〃	10-R143	AA		
〃	10-R325	AA		
〃	10-R377	AA		
〃	10-R395	AA		
〃	10-R776	AA		
VRS-CY1JB474J	10-R357	AA		
VRS-CY1JB562J	10-R121	AA		
〃	10-R128	AA		
〃	10-R129	AA		
〃	10-R351	AA		
〃	10-R383	AA		
〃	10-R385	AA		
〃	10-R691	AA		
〃	10-R759	AA		
〃	10-R773	AA		
VRS-CY1JB563J	10-R901	AA		
〃	10-R902	AA		
〃	10-R907	AA		
〃	10-R908	AA		
VRS-CY1JB681J	10-R31	AA		
〃	10-R322	AA		
VRS-CY1JB683J	10-R150	AA		
〃	10-R323	AA		
〃	10-R693	AA		
VRS-CY1JB820J	10-R43	AA		
VRS-CY1JB821J	10-R911	AA		
〃	10-R912	AA		
VRS-CY1JB822J	10-R756	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VSKRA102M//-1	2-Q112	AC		
VSKRA107S//-1	2-Q707	AB		
VSKRC102S//-1	2-Q712	AB		
VSKRC104M//-1	2-Q110	AC		
〃	2-Q113	AC		
〃	2-Q114	AC		
VSKRC104S//-1	2-Q4	AC		
〃	2-Q708	AC		
VSKTA1266GR-1	2-Q109	AB		
〃	2-Q360	AB		
VSKTA1271Y/-1	2-Q2	AC		
VSKTA1273Y/-1	2-Q709	AE		
〃	2-Q710	AE		
〃	2-Q711	AE		
VSKTA1274Y/-1	2-Q801	AE		
VSKTA1504Y/-1	2-Q1	AB		
VSKTC2026//-1	1-iC855	AF		
VSKTC3194Y/-1	2-Q302	AD		
VSKTC3199GR-1	2-Q105	AB		
〃	2-Q106	AB		
〃	2-Q107	AB		
〃	2-Q108	AB		
〃	2-Q601	AB		
〃	2-Q602	AB		
〃	2-Q901	AB		
〃	2-Q902	AB		
〃	2-Q905	AB		
VSKTC3200GR-1	2-Q101	AC		
〃	2-Q102	AC		
〃	2-Q103	AC		
〃	2-Q104	AC		
VSKTC3203Y/-1	2-Q111	AC		
VSKTC3875GR-1	2-Q3	AB		
VVKNA11SS55-1	11-FL701	AV		
【 X 】				
XBBSD20P03000	12-703	AA		
XBSSD26P06000	12-701	AA		
XEBSD30P10000	13-604	AA		
〃	14-604	AA		
XEBSD30P12000	14-602	AA		
XESSD30P10000	13-613	AA		
XHBSD20P05000	12-702	AA		
XHBSD26P04000	13-606	AA		
XHBSD30P06000	13-601	AA		
XHBSD40P08000	13-609	AA		
XJBSD20P05000	14-608	AA		
XJBSD26P08000	14-617	AA		
XJBSD30P10000	13-619	AA		
XJSSD30P10000	13-612	AA		
XMBSN40P12000	15-904	AB		
【 9 】				
92LBAG1460C1	16-12	AB		
92LCONE3P5268	11-CNP301	AC		
92LCONE4P53254	11-CNP5	AC		
92LCONE6P5267X	11-CNP801	AC		
92LCONE6P53253	11-CNP2	AC		
92LCONE6P53254	11-CNP2A	AC		
92LCONE7P53254	11-CNP3	AB		
92LCRSTL1425A	8-X351	AF		
92LFANT1746A	16-13	AD		
92LFSHOLD1652T	13-247	AB		
92LHPC1LFASY	12-306	BB		
92LM-CUSN1524A	12-305	AC		
92LMTR1854BASY	11-M2	AP		
〃	12-M2	AP		
92LMTR2790CASY	11-M1	BB		
〃	12-M1	BB		
92LNBAND1318A	13-250	AA		
92LPT0303002	14-251	AB		
92LPWB6243CDUS	17-PWB-C	-		
92LPWB6295MANS	17-PWB-A	-		
92LPWB6295PWRS	17-PWB-B	-		
92LSC0314WBZi	14-607	AB		
92LSUPT1749D	14-248	AA		
92LSWiCHT1663T	11-SW701	AC		
〃	11-SW702	AC		
〃	11-SW703	AC		
〃	11-SW704	AC		
〃	11-SW705	AC		
〃	11-SW706	AC		
〃	11-SW707	AC		
〃	11-SW711	AC		
〃	11-SW712	AC		
〃	11-SW713	AC		
〃	11-SW714	AC		
〃	11-SW715	AC		
〃	11-SW716	AC		
〃	11-SW717	AC		
〃	11-SW718	AC		
〃	11-SW721	AC		
〃	11-SW722	AC		
〃	11-SW723	AC		
〃	11-SW724	AC		
〃	11-SW725	AC		
〃	11-SW726	AC		

Explanation of capacitors/resistors parts codes

Capacitors

VCC ..... Ceramic type
VCK..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN..... Cylindrical type (without lead wire)
VC • • TV..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J.. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD ..... Carbon-film type
VRS..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN..... Cylindrical type (without lead wire)
VR • • TV..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J.. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

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Quality & Reliability Control Center
Higashihiroshima, Hiroshima 739-0192, Japan

Printed in Japan

A0503-1 DS•HA•M

SK•SA•SZ